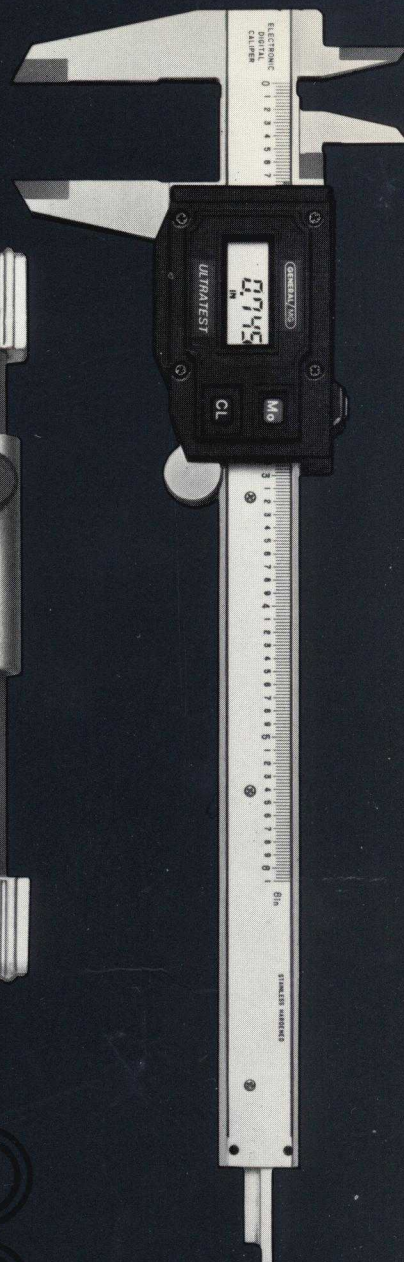
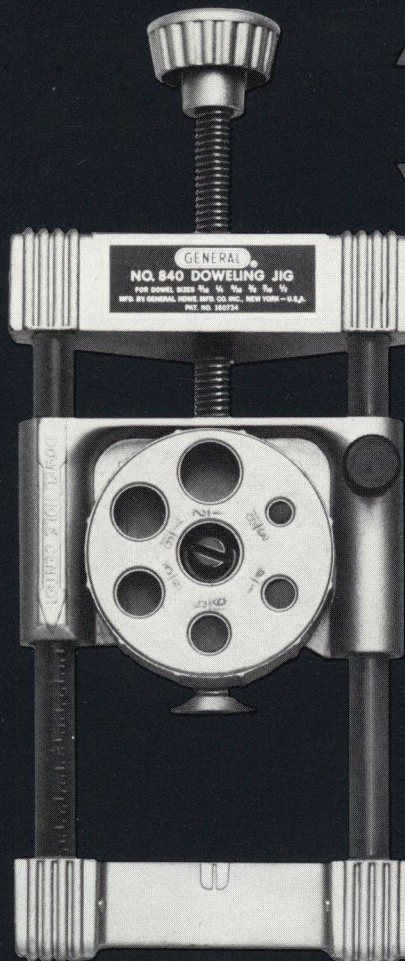
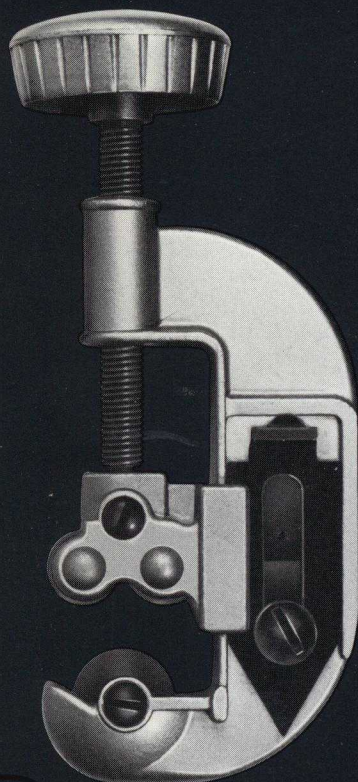


PRICE: \$2.00

Catalog No. 8889



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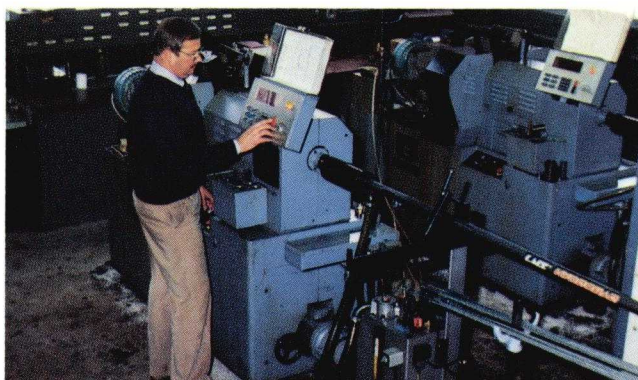
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For over half a century, General has manufactured quality hand tools that deliver outstanding value to millions of satisfied customers in the U.S.A. and throughout the world.

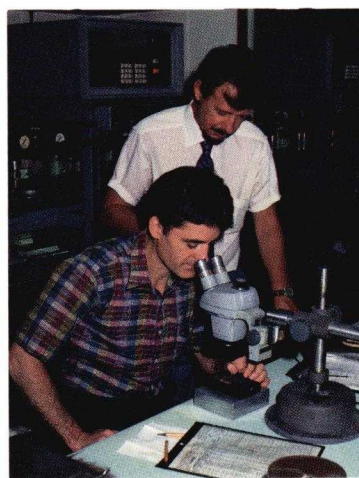
The name General has come to be respected for a broadly diversified line of hand tools used in plumbing, woodworking, metalworking, and machinist trades. Consumers have followed professionals in recognizing that General quality tools represent excellent value.

Our Ultratest® brand name has been used to introduce a line of top quality measuring tools including several new patented items. Many of our measuring, marking, and assembly tools are widely used in industry, automotive repair, electronic assembly, and specialty trades and have become standards of excellence.

Now, as even more customers seek better quality hand tools in new expanded hardware, industrial, and home center stores, General is upgrading packaging, adding new plan-o-gram point-of-sale displays, and increasing promotional activities to assist our customers in expanding their sales.

General has doubled the size of our headquarters and shipping facility in New York City, and upgraded manufacturing capability to continue the steady growth of the past 60 years and to ensure the ability to maintain on time deliveries with a high service level to our customers. At the same time, we have modernized our quality control department with "state-of-the-art" inspection tools and procedures.

If you would like further information, our sales representatives will arrange an appointment at your convenience to describe fully the General line.



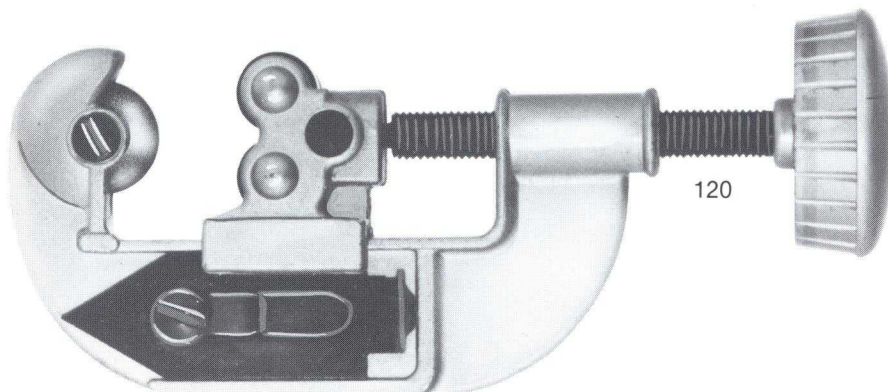
Plumbing Tools



TUBING CUTTERS

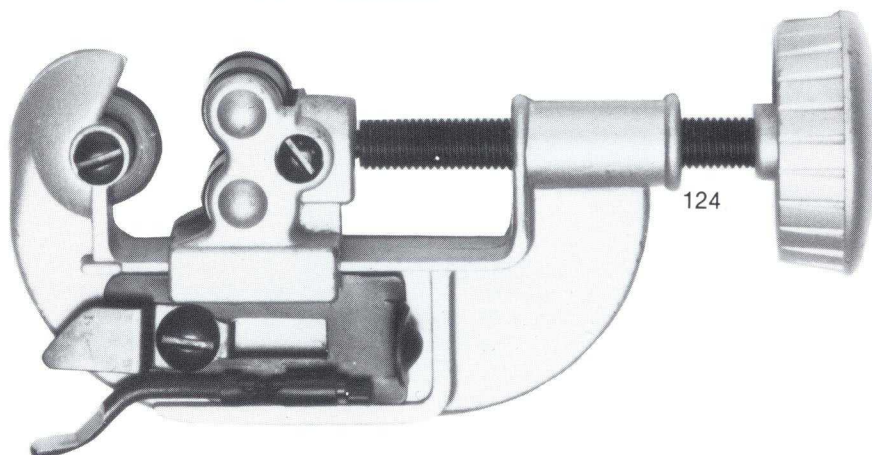
- General's full range of cutters makes the job easier to do for the professional plumber as well as the do-it-yourselfer.
- Each of our cutters produces clean, precision cuts on copper, aluminum, and thin wall tubing.

- Sizes range from 1/8" to 1-1/2" capacity.
- One size replaceable hardened alloy steel cutting wheels fit all cutters.


STANDARD CUTTER

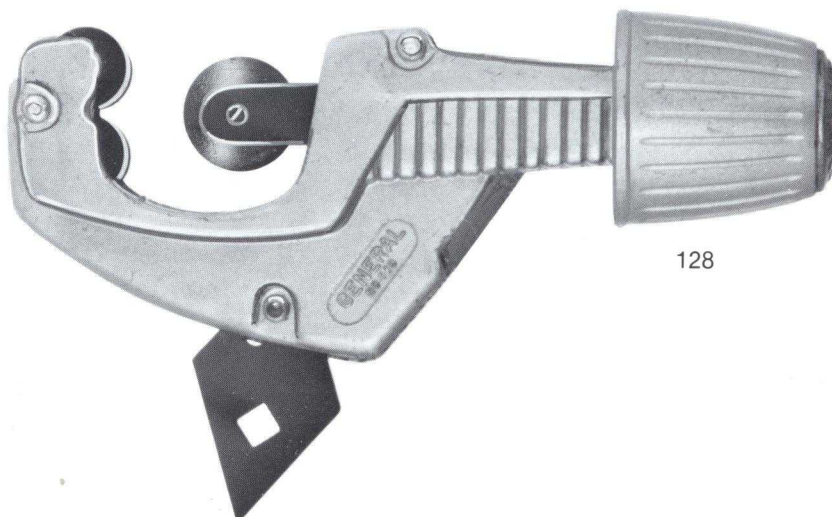
- General's classic cast frame tubing cutter is a long standing favorite of plumbers, mechanics, and service people.
- Anti friction, flare groove rollers allow you to cut tubing close to the flared ends, thus avoiding tubing replacements in existing installations.
- Hardened steel reamer slides and locks in place.
- Reamer retracts for safety when not in use.
- Replaceable hardened alloy steel cutting wheel.
- Individually carded.

UPC CODE	NO.	CAPACITY
12003	120	1/8" to 1-1/8"


SWIVEL DEBURRING CUTTER

- This combines the finest features of the Standard Cutter No. 120 with those of General's Deburring Tool No. 482.
- Swivel deburring and chamfering reamer removes burrs and cuts chamfers cleanly, without splitting, cracking, or deforming tubing.
- Leaves a superior surface for soldering, brazing, and flaring.
- Swiveling reamer also retracts.
- Flare groove rollers.
- Large hand knob for maximum feed control.
- Replaceable hardened Deburring Blade No. 482A.

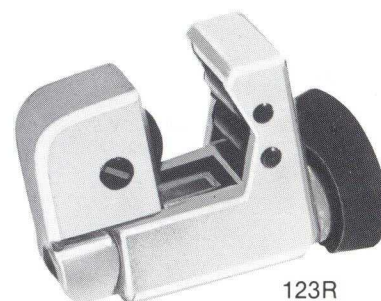
UPC CODE	NO.	CAPACITY
12012	124	1/8" to 1-1/8"


ENCLOSED FEED CUTTER

- General's finest professional quality cutter
- Feed is enclosed to keep tool size consistent for work in confined spaces.
- Enclosed threads seal out dirt.
- Flare groove rollers.
- Hardened steel retractable reamer with built-in gas bottle wrench.

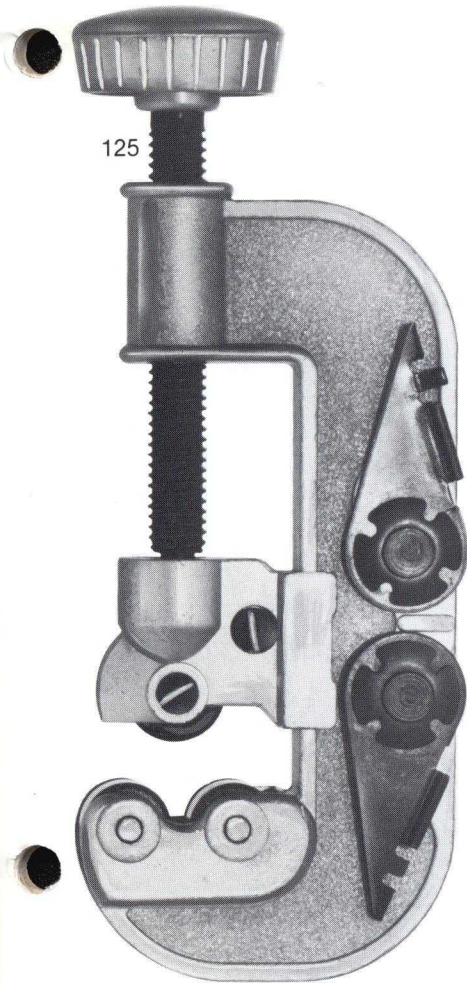
- Replaceable alloy steel cutter wheel plus extra cutter stored in large feed knob.
- Conforms to government specifications GGG-C-771d.

UPC CODE	NO.	CAPACITY
12018	128	1/8" to 1-1/8"


COMPACT CUTTER

- General's smallest tubing cutter for use in hard to get at places where standard cutters can't perform.
- Small enough to use inside air conditioning units and appliances.
- Enclosed feed requires only 1-1/4" clearance.
- Replaceable hardened alloy steel cutter wheel.
- Two friction reducing steel rollers.
- Weighs only three ounces.
- Individually carded.

UPC CODE	NO.	CAPACITY
12009	123R	1/8" to 5/8"



HEAVY DUTY CUTTER

- General's largest capacity precision cast frame cutter.
- Designed for heavy duty and industrial applications.
- Twin hardened flare groove rollers.
- Double retractable tool steel reamer.
- Replaceable hardened alloy steel cutting wheel.
- Individually carded.

UPC CODE	NO.	CAPACITY
12015	125	1/4" to 1-1/2"



RW121

REPLACEMENT CUTTER WHEEL

Hardened alloy steel wheel fits all General tubing cutters.

UPC CODE	NO.	
12021	RW121	
12023	RW121/2	2 per card

Replacement screws or pins available for cutter wheels. Specify correct tool stock number, as they vary in size for each cutter.

FLARING TOOLS

- General's flaring tools are essential for setting up or repairing flared tubing installations.
- Accurately flare copper, aluminum, and thin wall tubing for leak free connections.
- Each flaring tool forms 45° flares in seven popular sizes.
- Rust resistant plated steel bars.



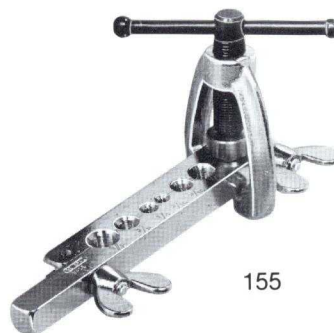
DOUBLE FLARING TOOL

- Specially designed to double flare tubing for high pressure applications in automotive, air conditioning and refrigeration.
- Accurately single or double flares copper, aluminum and thin wall tubing for leak free connections.
- Quick opening plated steel bars for easy

insertion and removal of tubing.

- Plated forged yoke for accurate flaring.
- Double flare inserts are case hardened steel.
- All parts have rust resistant finish.

UPC CODE	NO.	CAPACITY
14015	157	3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 5/8"

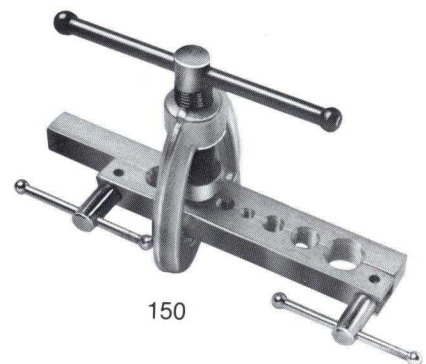


155

STANDARD FLARING TOOL

- High quality tool moderately priced.
- Screw yoke slips quickly over bars without removing heavy-duty wing nuts.
- Quick-opening plated bars for easy insertion and removal of tubing.
- Forged yoke has free-wheeling cone for faster, smoother flaring.
- Sliding T-handle provides maximum leverage.
- Individually carded.

UPC CODE	NO.	CAPACITY
14009	155	3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 5/8"



150

ECONOMY FLARING TOOL

- Basic tool for the DIY plumber.
- Plated steel bars, with slide bar screws for added leverage.
- Screw yoke has free wheeling flaring cone and sliding T-bar handle.
- Screw yoke slips quickly over bars without removing bar screws.
- Individually carded.

UPC CODE	NO.	CAPACITY
14006	150	3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 5/8"



100

TUBING BENDERS

These tools eliminate crimping and collapsing of copper and other thin wall tubing. Made of oil hardened and tempered spring steel.

Our tubing bender set contains one each of the sizes listed below, packaged in a plastic case.

UPC CODE	NO.
11009	S106

- Available in individual sizes.

UPC CODE	NO.	TUBE SIZE OUTSIDE DIA.	LENGTH
11003	100-1/4	1/4"	10-1/2"
11006	100-5/16	5/16"	10-1/2"
11018	100-3/8	3/8"	10-1/2"
11024	100-7/16	7/16"	12"
11012	100-1/2	1/2"	12"
11021	100-5/8	5/8"	12"

REAMERS

- General offers a wide selection of reamers to plumbers, auto mechanics, steamfitters, metal workers, and mechanics.
- Precision hardened and ground cutting edges for durability.
- For removing burrs from cut pipe, tubing, and conduit.
- Used for enlarging and counter-sinking holes in sheet metal, plastic, and other materials.



130

T-HANDLE REAMER

- Made of hardened and tempered tool steel with precision ground cutting edges.
- T-handle provides leverage for easier reaming.
- Individually carded.

UPC CODE	NO.	CAPACITY
13003	130	1/8" to 1/2"



482

SWIVEL HEAD DEBURRING TOOL

- Economically priced, with the quality and performance of higher priced deburring tools.
- Two interchangeable blades.
- 5" aluminum handle with pushbutton blade release.
- Individually carded.

UPC CODE	NO.	
42324	482	
42327	482A	Blade for steel, copper, aluminum, and plastic
42330	482B	Blade for brass and cast iron



131

SCREWDRIVER HANDLE REAMER

- General's easy to use reamer is perfect for home mechanics.
- Fluted plastic handle.
- Individually carded.

UPC CODE	NO.	CAPACITY
13006	131	1/8" to 3/8"



RS136

ROUND SHANK REAMERS

- General's best selling heavy duty reamer used by mechanics and plumbers.
- Forged high carbon heat treated tool steel.
- 1/2" round shank for use in drill presses or large capacity power drills.

UPC CODE	NO.	CAPACITY
13021	RS136	1/4" to 1-1/2"
13024	RS137	3/8" to 2"



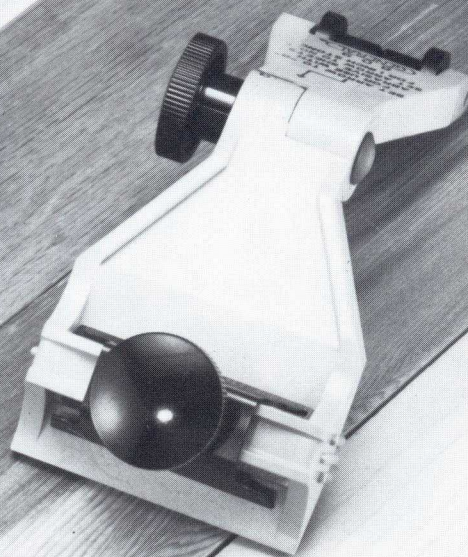
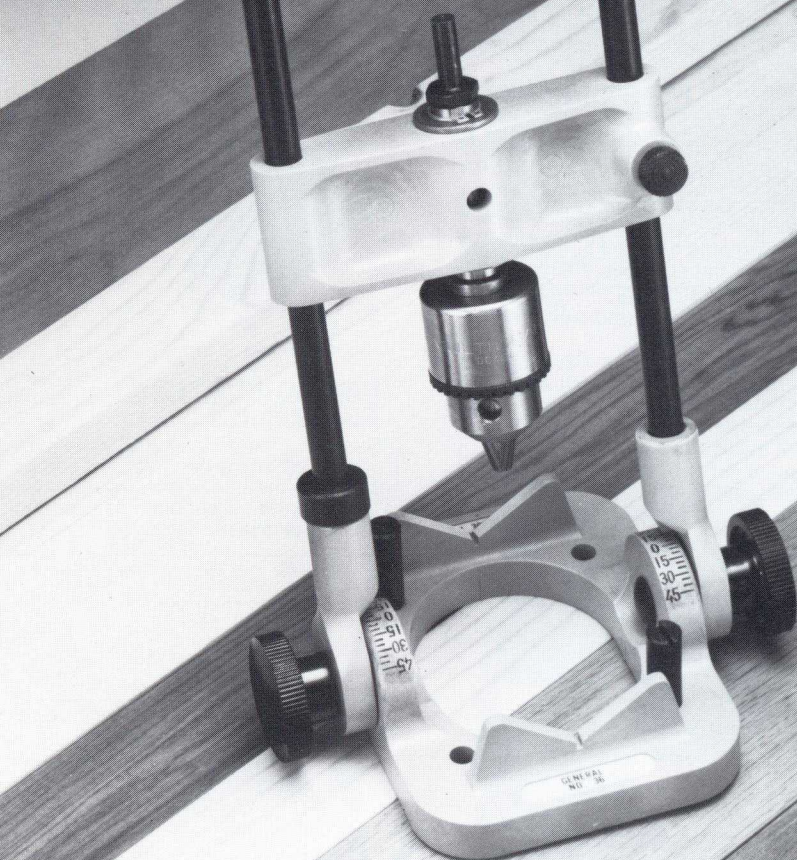
135

BIT SHANK REAMER

- Forged from tool steel.
- Spiral flute cutting edges are hardened and ground.
- Bit brace square shank.

UPC CODE	NO.	CAPACITY
13012	135	1/4" to 2"

Woodworking Tools



DRILL ACCESSORIES

- General's drill accessories are engineered to do precision work in the many specialized drilling and cutting operations required of fine carpentry and metalworking.

- They expand the capabilities of portable electric drills, drill presses, drill stands, bit braces, and hand drills.
- Our drill accessories are built for precision and durability.

PRECISION DRILL GUIDE

- General's drill guide with your portable electric drill brings drill press accuracy and versatility to handheld drilling jobs.
- Drills accurate right angled or variable angled holes with built in protractor scale.
- Adjusts to 45° angle in either direction of vertical drill position.
- Portable and lightweight; folds flat for toolbox storage.
- Built in depth stop.
- Slide lock for sanding and buffing applications.
- Anchoring pins hold the guide securely in place on flat surfaces, narrow edges, or large tubing.
- V-groove for positioning round stock, pipe, or tubing.
- Use with 1/4", 3/8", and 1/2" portable electric drills (not included) with 3/8" x 24 thread shaft.
- Optional Chuck, Key, and Adapter No. 37 available.
- Complete set No. 36/37 includes Chuck, Key and Adapter No. 37.

UPC CODE	NO.	
23056	36	Drill guide
23061	37	Chuck, key, adapter
23059	36/37	Complete set
23064	37/924	Drill chuck adapter



38

DRILL GUIDE BENCH ADAPTER KIT

General's No. 36 and No. 36/37 can be converted into a bench mounted power unit with the use of the No. 38. This adapter kit consists of two brackets and all necessary hardware.

UPC CODE	NO.
23067	38



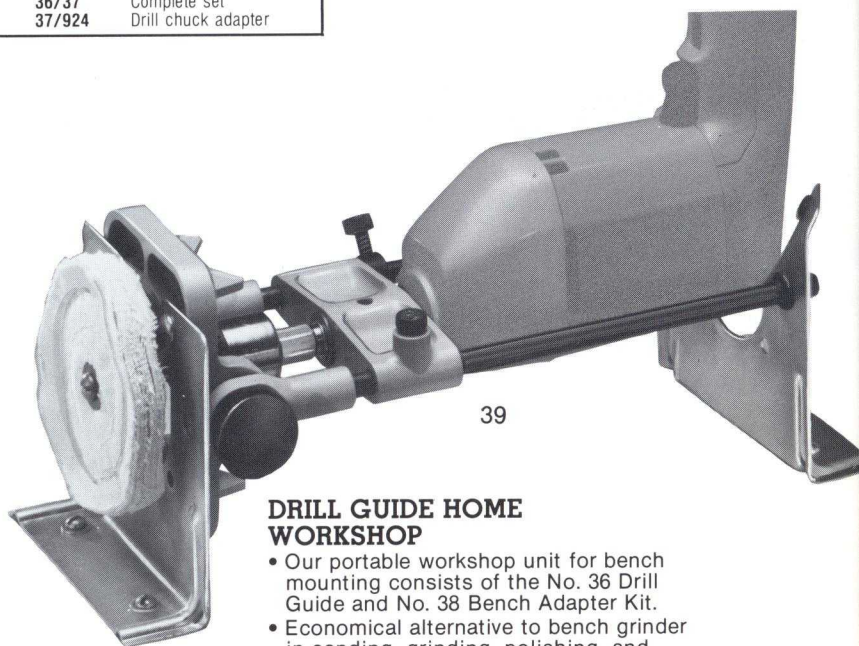
36/37

37

DRILL CHUCK

- Three jaw 0-3/8" capacity geared chuck.
- Designed for accuracy.
- 3/8" x 24 thread size.
- With key and Adapter No. 37/924.

UPC CODE	NO.	CAPACITY
23061	37	3/8"

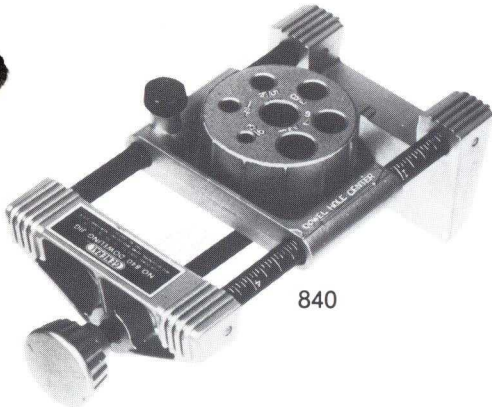


39

DRILL GUIDE HOME WORKSHOP

- Our portable workshop unit for bench mounting consists of the No. 36 Drill Guide and No. 38 Bench Adapter Kit.
- Economical alternative to bench grinder in sanding, grinding, polishing, and buffing operations.
- Can be quickly disassembled for use as a precision drill guide.
- Adapts portable hand drills for use with flexible power attachments.
- Drill and accessories not included.

UPC CODE	NO.
23068	39



840

DOWELING JIG

- A precision jig that assures accurate line up of dowel holes in furniture and carpentry.
- Revolving turret has six twist drill sizes.
- Just lift and turn turret to lock in guide hole.
- Guide bars are graduated for fast positioning of hole center points.
- Clamp screw locks tool onto work from 0" to 4" in width.
- Rust resistant plated turret and parts, die cast body.
- Instructions included.

UPC CODE	NO.	CAPACITY
24120	840	3/16", 1/4", 5/16", 3/8", 7/16", 1/2"



S838

DRILL STOP SET

- For use on twist or brad point drills to prevent excessive drill penetration.
- Positive depth control assures exact hole depths for multiple drilling jobs.
- Black oxide finish on cold rolled steel.
- Includes hex wrench.
- Individually carded.

UPC CODE	NO.	SIZES INCLUDED
23096	S838	3/16" dia. 1/4" dia. 5/16" dia. 3/8" dia. 7/16" dia. 1/2" dia.



841

DIAL SETTING DOWELING JIG

- General's exclusive dial setting doweling jig is a significant advancement over currently available edge to surface doweling jigs.
- Complements our best selling Revolving Turret Doweling Jig No. 840.
- Its unique design reduces the need for prior measurements and markings.
- For right angle doweling, no reversing of work pieces is necessary; simply clamp work into place and drill dowel holes. No further setup is necessary; just slide jig along work pieces to produce any number of matching dowel holes.
- Tee joints can also be made with less measurements, as guide slots align work pieces for drilling.
- Color coded dial sets correct dowel hole size for wood thickness.
- Dial simultaneously positions both bushings for accurate drilling of right angle joints.
- Hardened steel guide bushings with steel positioning mechanism in high-impact engineering plastic body.
- Makes dowel holes of 1/4", 5/16", and 3/8" in wood stock from 13/32" to 1-1/8" thick.
- For use with twist drill and brad point drills.

UPC CODE	NO.	CAPACITY
24123	841	1/4", 5/16", 3/8"



887

DOWEL FORMER AND CHAMFERING TOOL

- Precisely flutes and chamfers the dowels made by our Dowel and Tenon Cutters No. 886.
- Replaceable high carbon steel dies flute dowels to eliminate trapped air and excess glue.
- Built in replaceable chamfering tool blades chamfer dowel ends for easy insertion and alignment.
- For dowel sizes 4 thru 7, 1/2", 3/8", 5/16" and 1/4".
- Three legs (removable for storage) provide stability on uneven work surfaces.
- Rust resistant black oxide finish.
- Chamfers and blade are replaceable. Specify size when ordering.

UPC CODE	NO.	
25081	887	
25084	887-4	1/2" replaceable chamfer
25087	887-5	3/8" replaceable chamfer
25090	887-6	5/16" replaceable chamfer
25093	887-7	1/4" replaceable chamfer
25096	887-8	Replaceable blade



S886

DOWEL AND TENON CUTTER SETS

- General's dowel and tenon cutters are essential for the exacting requirements of skilled woodworkers.
- Makes four standard size dowels.
- Cuts plugs.
- Tenon cutting for furniture and cabinet-making.
- Made of hardened and ground tool steel.
- 3/8" shank for use in power drill press and drill stand.

UPC CODE	NO.	SIZE
25074	S886	One each of 4 sizes, A-D, as listed below; packed in wooden case
25077	SPC886	One each of 4 sizes, A-D, as listed below; packed in fitted plastic case

- Individual size cutters available.

UPC CODE	NO.	SIZE
25062	886A	1/4" dia. x 1-1/4" long
25065	886B	5/16" dia. x 1-3/8" long
25068	886C	3/8" dia. x 1-1/2" long
25071	886D	1/2" dia. x 2" long



888

DOWEL CENTERS

- General's dowel centers are the quickest and most accurate method to locate, transfer, and match dowel holes.
- Made of plated steel.
- Set includes two of each size: 1/4", 5/16", 3/8", 1/2" diameters.

UPC CODE	NO.
25099	888



S314

NEW AND IMPROVED PLUG CUTTER SETS

- General's plug cutters produce accurate plugs for covering screw holes in decking, flooring, and other wood-working projects.
- Permits choice of matching or contrasting plugs for decorative effect.
- Engineered to start cutting plugs easily with hand-held drills.
- Cutters automatically eject plugs from stock 3/4" or less, permitting production of up to 500 plugs per hour.
- Made of hardened alloy steel with 3/8" shank.

UPC CODE	NO.	
23036	S31	Set contains one each of sizes A, B, C
23038	S314	Set contains one each of sizes AA, A, B, C

- Available in individual sizes. Carded.

UPC CODE	NO.	SIZE
23027	31AA	1/4" dia.
23024	31A	3/8" dia.
23030	31B	1/2" dia.
23033	31C	5/8" dia.



30-8B

30-10C

30-6A

30-12D

ADJUSTABLE SCREW DRILLS

- Drill, countersink, and counterbore precision screw holes in a single operation when doing fine carpentry and woodworking.
- Adjustable depth stop for making flush, countersunk, plug depth, and putty depth holes.
- 1/4" shank for use with hand or electric drills.
- Thread and body cutters are individually adjustable for various types of screws.
- Individually carded.

UPC CODE	NO.	SCREW SIZES
23003	30-6A	5, 6, 7
23006	30-8B	7, 8, 9
23009	30-10C	9, 10, 11
23012	30-12D	11, 12, 14



34

SHEET METAL DRILL

- Replaces a whole set of drills.
- Drills steel, brass, aluminum, plastics, fiberglass, formica up to 1/8" thick.
- Infinitely variable hole size from 1/8" to 7/8" diameter.
- High speed steel.
- Self starting.
- 3/8" shank.
- Doubles as a reamer to enlarge existing holes or debur steel conduit or tubing.

UPC CODE	NO.	CAPACITY
23041	34	1/8" to 7/8"



825/826

DRILL GRINDING KIT

Our drill grinding kit includes the Drill Grinding Attachment No. 825 and its specially designed Grinding Wheel No. 826.

UPC CODE	NO.
24081	825/826



826

GRINDING WHEEL

- General's all purpose wheel has a side grinding feature designed for use with our Drill Grinding Attachment No. 825.
- Suitable for reshaping and sharpening most workshop, home, and garden tools.
- Engineered to provide a good finish with fast stock removal.
- Medium grit 6" diameter by 1" thick.
- For use with ANSI, OSHA and UL approved bench grinders or surface grinders.

UPC CODE	NO.	
24084	826	1" arbor with reducing bushings for 3/4", 5/8", 1/2" shafts

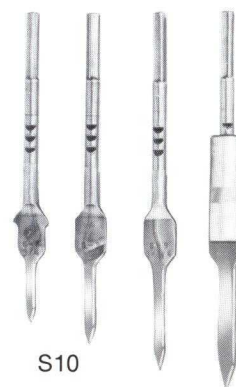


825

"ORIGINAL" DRILL GRINDING ATTACHMENT

- General's drill grinding attachment is engineered to permit sharpening of drill bits to factory accuracy.
- Extends the life of drill bits.
- Angle adjustments lock in to grind drill bits for more accurate drilling in a variety of materials.
- Automatically adjusts to give correct clearance angle.
- For use with ANSI, OSHA and UL approved standard electric bench grinders or surface grinders.
- Equally at home in machine shop and home workshop.
- Instructions included.

UPC CODE	NO.	CAPACITY
24070	825	Fractional drills 1/8" to 3/4" Number size drills 30 to 1 Letter size drills A to Z Millimeter size drills 3.0 to 19.0



S10

COUNTERSINK AND SCREW DRILL SET

- Drills and countersinks screw holes in one operation.
- Set includes four popular size bits and adjustable depth stop for making flush, countersunk, or plug depth holes.
- Packaged in a snap button plastic case complete with instructions.
- Individually carded.

UPC CODE	NO.	SCREW SIZES
21021	S10	Nos. 6, 7, 8, 9, 10, 12



- Our drill stand works on bench or mounted on pegboard or wall, for easy drill bit access.
- Drill sizes are marked in contrasting color on high strength ABS black plastic.
- Drill bits not included.
- Individually carded.

- Three jaw 0-3/8" capacity geared chuck.
- Designed for accuracy.
- 3/8" x 24 thread size.
- With key and Adapter No. 37/924.

37/924

UPC CODE	NO.	CAPACITY
23064	37/924	Drill chuck adapter for No. 36



General's new Precision Pin Chuck expands the range of standard drill chucks.

- This small accessory enables your bench mounted or hand drills to secure and precisely run smaller size drills and attachments that would normally not fit standard 1/4" to 3/8" chucks.
- Three interchangeable self centering collets permit the operator to use bits as small as No. 80 through 3/32" (No.43).
- The 1/4" hardened steel shank fits most power and hand drills.
- Interchangeable collets ensure a concentric, positive grip.
- Expands the range of drill chucks from 80 to 3/32" (No. 43) drill size.
- Overall length 2-1/8".

A vertical arrangement of five different types of drill bits. From top to bottom: a large, standard double-flute drill bit; a smaller, double-flute drill bit; a long, thin, double-flute drill bit; a long, thin, double-flute drill bit with a more pronounced flute design; and a very long, thin, double-flute drill bit with a very fine, closely spaced flute design.

S869

- Specially designed for drilling concrete, brick, tile, and stone.
- Drill bits can be used in standard or impact type drills.
- Long wearing tungsten carbide tips are brazed to drill bits.
- Fast spiral flutes assure quick dust removal without clogging.
- Drill bit length is 4".

- Available in five sizes, individually carded.

40

- Turns an ordinary portable electric drill into an ideal tool for autobody workers, metalworkers, jewelers, carpenters, craftspersons, and hobbyists.
- Adapts your drill for a variety of sanding, buffing, polishing, and drilling jobs. Is an excellent accessory for General's No. 39 Drill Guide Home Workshop. (See page 8.)
- For 1/4 " shank tools. Maximum safe speed is 3000 RPM.
- 40" length cable is covered with durable, flexible vinyl and includes long lasting, prelubricated bronze bushings plus a comfort-grip plastic handpiece.

195-1/2 195-5/8 195-3/4

- The rose pattern cutting flutes assure chatter free countersinking on steel, brass, aluminum, plastic, wood, and other materials.
- Made of high speed steel with five flutes.
- 82° point angle.
- 1/4" round shank.
- Individually carded.



- Multi function bit drills, saws, and reams hard and soft woods, plywood, plastic, brass, and aluminum.
- Cross milled cutting edges for rapid, non clog cutting.
- For use with portable electric drill or drill press.
- Individually carded.



924

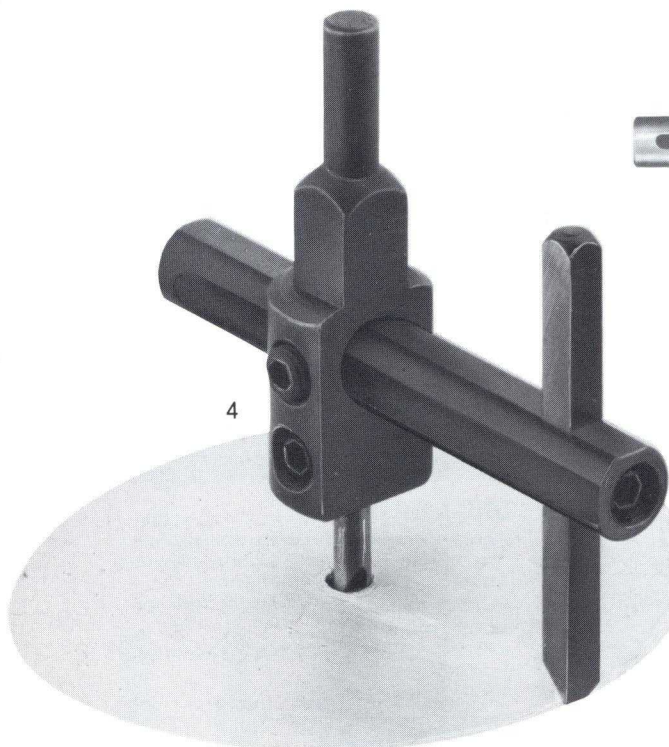
- Our right angle drive reaches awkward corners and difficult angles easily; ideal for any close quarter drilling.
- Designed for use with portable electric drills, sanding or buffing attachments, and other drill accessories.
- Hardwood handle attaches for right or left hand use.
- Designed for long life, the drive body is strong pressure cast metal, with permanently lubricated steel gears.
- 24 thread, 3/8" spindle has 3/8" drill chuck adapter.
- Chuck not included.

UPC CODE	NO.
25115	924

CIRCLE CUTTERS

- General's circle cutters produce precision circles in sheet metal, brass, copper, soft steel, aluminum, plastic, wood, and composition materials.
- Bodies are constructed of heat treated tool steel for durability.
- All circle cutters have replaceable pilot bits.

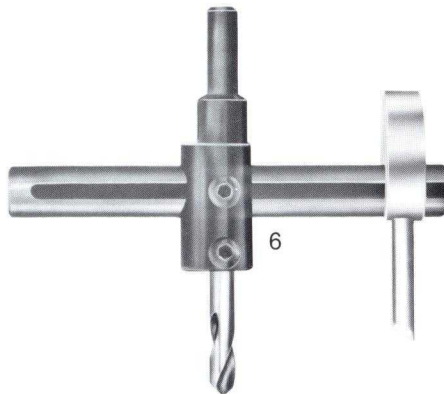
- Replaceable cutter blades are made of high speed steel for precise and clean cuts.
- Circle cutters are adjustable for cutting variable diameter holes.
- An accessory for use in drill press, drill stand, or bit brace.
- Hex wrench is included for diameter and depth adjustments.



ECONOMY CIRCLE CUTTER

- Combination round and square shank circle cutter for use with drill press or bit brace.
- Replaceable 3/16" high speed steel bit and replaceable 11/64" pilot drill.
- Individually carded.
- Maximum safe speed is 500 RPM.

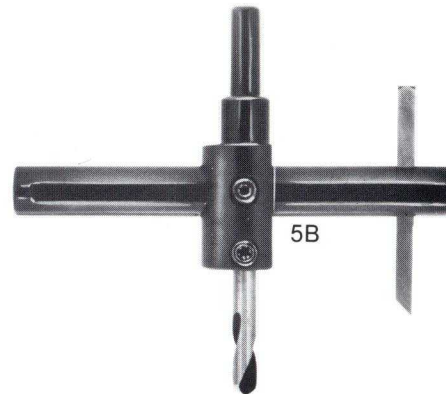
UPC CODE	NO.	CAPACITY
21003	4	7/8" to 4"
27006	4 Drill	
27003	4 Blade	



WHEEL AND CIRCLE CUTTER

- General's wheel and circle cutter is the only one that cuts the exact diameter you need anywhere from 1" to 6".
- Ideal for woodworkers, model builders, clockmakers, and hobbyists.
- Produces precision circles and holes in sheet metal, brass, copper, aluminum, plastic, wood, and composition materials.
- Change from circle to wheel cutting by simply reversing the double ended blade.
- Sturdy round shank for use in any drill press or drill stand with 3/8" chuck. Maximum safe speed is 500 RPM.
- Replaceable double ended 9/32" cutter blade is made of high speed steel for precise clean cuts.
- All adjustments made with hex wrench included.

UPC CODE	NO.
21010	6
21011	6 Drill
21013	6 Blade



CIRCLE CUTTERS

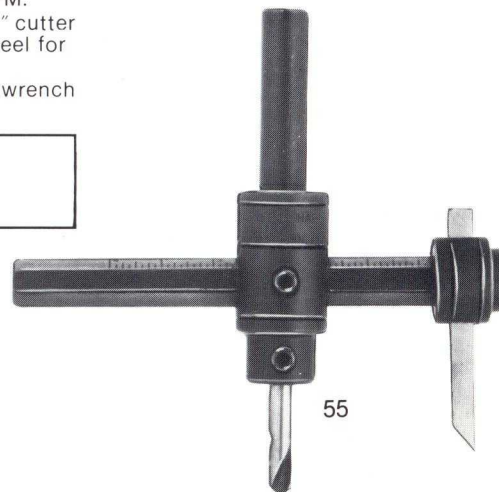
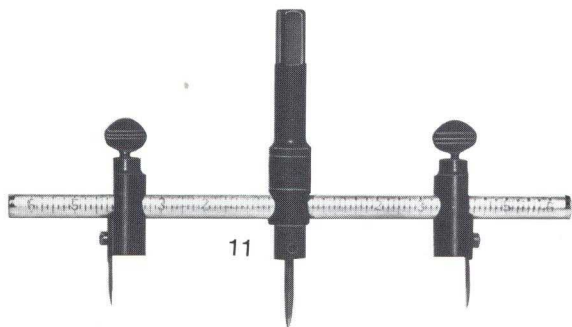
- These tools have been a General Hardware customer favorite for more than 30 years.
- Adjust from 1" to 6" diameter circles.
- Replaceable 3/16" high speed steel bit and replaceable 1/4" pilot drill.
- Maximum safe speed is 500 RPM.

UPC CODE	NO.	CAPACITY	SHANK
21009	5B	1" to 6"	3/8" Round
27012	5 Drill		
27009	5 Blade		

WASHER AND GASKET CUTTER

- This tool cuts washers and gaskets in leather, rubber, cork, graphite, fiber, copper, and other soft materials.
- Combination round and square shank permits use with bit brace or hand drill.
- Made of steel with graduated beam to adjust to diameters from 5/8" to 6-1/2".
- Replaceable tool steel Cutter Blades No. 11B and center pilot pin.
- Two independently adjustable cutter blades cut inside and outside diameters simultaneously.
- For bit brace and hand powered drill only.

UPC CODE	NO.	CAPACITY
21024	11	5/8" to 6-1/2"
27024	11B	



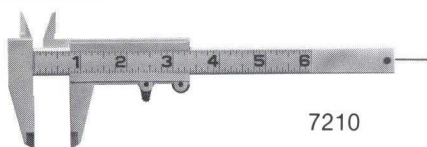
HEAVY DUTY CIRCLE CUTTER

- General's industrial quality cutter is most preferred by professionals.
- 1/2" round shank for drill press use.
- Replaceable 1/4" high speed tool steel bit and replaceable 1/4" pilot drill.
- Maximum safe speed is 500 RPM.

UPC CODE	NO.	CAPACITY
21012	55	1-3/4" to 8"
27018	55 Drill	
27015	55 Blade	

WOODWORKING AND LAYOUT TOOLS

General has a full range of measuring and layout tools designed for the specialized operations necessary in construction jobs, cabinet-making, and fine carpentry. Woodworkers trust the quality and the value General tools give them.



7210

CARPENTER'S CALIPER

- Fiberglass reinforced plastic caliper is graduated in 16ths and 1.0 mm with 5-1/4" capacity.
- Useful for quick identification of stock sizes by carpenters, woodworkers, plumbers, and do-it-yourselfers.
- Outside, inside, and depth measurements.
- Slide lock for gaging lumber sizes and plywood thicknesses and for transferring measurements.
- Roller for one hand adjustment.

UPC CODE	NO.
25309	7210

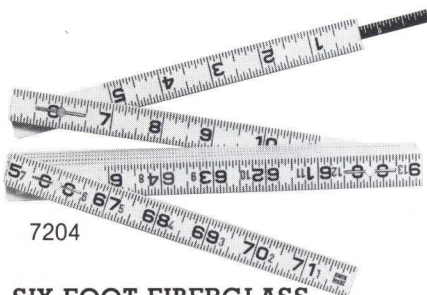


811

UTILITY COMBINATION SQUARE

- Economy version of the carpenter's combination square is perfect for the do-it-yourselfer and home mechanic.
- The 12" x 1" steel blade is graduated in 8ths, 16ths, and 32nds.
- Heavy zinc cast head with level and scribe.
- Individually carded.

UPC CODE	NO.	GRADS
		FRONT BACK
24030	811	8, 16 16, 32



7204

SIX FOOT FIBERGLASS FOLDING RULES

- Constructed of tough, flexible high impact plastic, with fiberglass reinforcement for added durability.
- Individual replacement sections available.

UPC CODE	NO.		GRADS
25306	7204	Inside and outside graduations for use in any position. 6" extension graduated both sides. Red graduations every 16" for easy stud identification	16ths
25300	7200	Outside readings graduated in 16ths. 6" extension graduated in 16ths	16ths

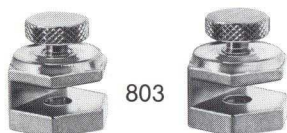


812

CARPENTER'S COMBINATION SQUARE

- Specially designed for carpenters and the woodworking trades.
- Machined and enameled cast iron head has precision level and scribe for producing right and 45° angles.
- Satin chrome finish 12" x 1" steel blade is graduated on both sides.
- Individually carded.
- Conforms to government specifications GGG-S-656C.

UPC CODE	NO.	GRADS
		FRONT BACK
24036	812	8, 16 16, 32

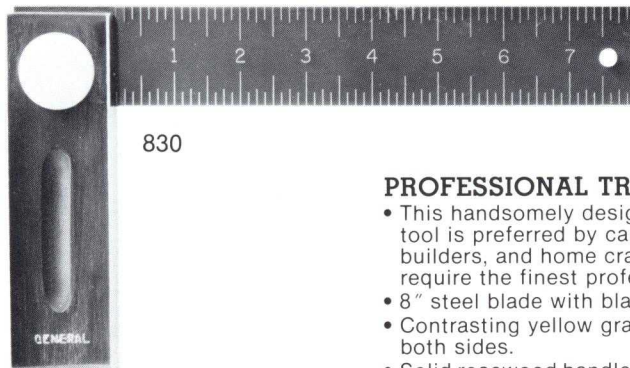


803

STAIR GAGE SET

- Solid brass stair gage assures fast and uniform layout in repetitive work including angle cuts on rafters and stair stringers.
- Attaches easily to all metal rafter squares.
- One pair on a card.

UPC CODE	NO.
24009	803



830

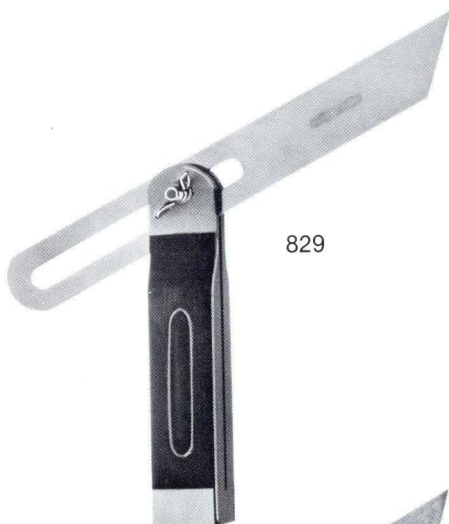
PROFESSIONAL TRY SQUARE

- This handsomely designed measuring tool is preferred by carpenters, builders, and home craftspeople who require the finest professional quality.
- 8" steel blade with black oxide finish.
- Contrasting yellow graduations on both sides.
- Solid rosewood handle with brass faceplate and trim.

UPC CODE	NO.	GRADS
24103	830	1/8 both sides

SLIDING T-BEVELS

General's sliding T-bevels are the layout tools preferred by carpenters, cabinetmakers, and builders. Professionals use these tools to transfer the dimensions of bevels, angles, and mitered ends for accurate work.



829



834

PROFESSIONAL QUALITY T-BEVEL

- Our T-bevel is the tool preferred by the craftsperson who wants the finest.
- Solid rosewood 5-1/2" handle with brass trim and locking wing nut.
- 8" blade.
- Conforms to government specifications GGG-B-211b.

UPC CODE 24100	NO. 829
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T-BEVEL

- This all metal, durably constructed tool is as accurate as our professional quality T-bevel.
- Nickel plated steel 5-1/8" handle with steel locking screw.
- 8" stainless steel blade.

UPC CODE 24112	NO. 834
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SCRATCH AWLS

Our scratch awls are made from the finest materials for long life. These tools are designed for scribing and

layout; starting of screw holes; and piercing of soft materials.



814



816



817



818



819

FLAT HANDLE SCRATCH AWL

- Moderately priced scratch awl meets government specifications GGG-A-891a.
- 3-1/2" alloy steel blade runs through the handle.
- Plated steel ferrule.
- Measures 6-1/4" overall.

UPC CODE 24039	NO. 814
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ECONOMY SCRATCH AWL

- Handle has flattened sides to prevent rolling.
- 3-1/2" alloy steel blade and plated ferrule.
- Measures 6-1/4" overall.

UPC CODE 24041	NO. 816
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SCREWDRIVER HANDLE SCRATCH AWL

- Blade is firmly attached to durable plastic handle.
- Measures 5-3/4" overall, with 3-1/2" blade.

UPC CODE 24044	NO. 817
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HARDWOOD HANDLE SCRATCH AWL

- Our finest quality scratch awl is also our best seller.
- Alloy steel blade runs through the handle and is securely fastened to both the plated steel ferrule and the cap.
- Hardwood fluted handle is contoured for comfortable grip.
- Overall length is 6-1/2" with 3-3/4" blade.

UPC CODE 24047	NO. 818
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AWL AND ALIGNING TOOL

- Doubles as a heavy-duty scriber and scoring and punching awl.
- Essential marking device for carpenters, electricians, metal workers, and mechanics.
- Use for lining up screw and bolt holes in conduit, outlet boxes, switchplates, and other assemblies.
- Heat-treated hexagon tool-steel handle.
- Overall length 6-3/4".

UPC CODE 34230	NO. 819
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835

ANGLE DIVIDER

- One of our unique tools designed for transferring angles in cornice, frieze, or gable work.
- Divides and bisects angles.
- For accurately marking floor tiles, molding, trim, and miters.
- Body is graduated for 4, 5, 6, 8, and 10 sided figures and 30°, 45°, and 60° bisected angles.
- Adjustable leg is 6" with a 5" square base.
- Constructed of nickel plated steel.
- Instructions included.

UPC CODE 24115	NO. 835
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PRECISION ADJUSTABLE TRAMMELS

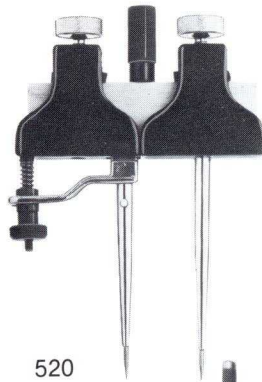
- Draw large circles and measure sizable distances with the accuracy of a divider.
- Fine adjusting screw sets points accurately.
- Points are removable and may be replaced with the pencil holder.
- Die cast bodies with hardened and ground 3" needlepoint legs.
- Clamp opening for beam is 3/8" x 3/4".
- Conform to government specifications GGG-T-661b.

UPC CODE	NO.	
23090	520	
31104	84P	Replacement point

ADJUSTABLE TRAMMELS

- General's adjustable trammels accurately measure and mark distances that are too great for conventional compasses and dividers.
- For layouts, marking templates, and drawing large circles.
- 6" off center eccentric points provide fine adjustment.
- Points can be replaced with pencils, ballpoint pens, crayons, or soapstone sticks for marking various materials.
- Clamp onto beam 5/8" to 1-1/2" thick of any width or length.

UPC CODE	NO.
23093	523



520



523



842

843

PRECISION PENCIL COMPASS

- Carpentry quality pencil compass is made of long lasting die cast, rust resistant metal.
- Spring tension adjustment for marking up to 8" diameters.
- Scribe guide for edge marking.
- For use with pencil (included) or slim ballpoint pen.
- Individually carded.

UPC CODE	NO.
24126	842

PENCIL COMPASS AND SCRIBER

- Designed for marking contours and circles.
- Positive wing nut adjustment.
- Full length hardened steel pin in metal frame for greater rigidity.
- Constructed of brass plated steel.

UPC CODE	NO.
24132	843/1
24138	843/12

823-4

**BUTT MARKING GAGES**

- Mark position of mortises for hinges on doors and door jams.
- Make chiseling of mortises easy and accurate.
- Durable forged steel with hardened and ground cutting edges.
- Available in four sizes packed in protective vinyl sleeves.

UPC CODE	NO.	SIZE
24056	823-3	3"
24059	823-3-1/2	3-1/2"
24061	823-4	4"
24064	823-4-1/2	4-1/2"

824

**ADJUSTABLE BUTT MARKING GAGE**

- This fine quality tool marks positions and size of hinge mortises on doors and door jams.
- Locates locks, lock strikes, and faceplates.
- Has three adjustable, hardened steel marking cutters.

UPC CODE	NO.
24067	824

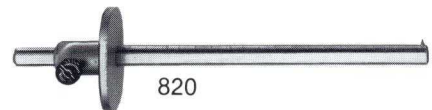


821

MARKING GAGE

- Adjusts to mark wood, plastics, hardboards, linoleum, and other materials for ripping and cutting.
- Tool steel scriber retracts into the cast aluminum body.
- 5" arm is graduated in 16ths.
- Individually carded.

UPC CODE	NO.
24053	821



820

SINGLE BAR MARKING GAGE

- 6" adjustable bar is nickel plated steel graduated in 16ths.
- Die cast head.
- Needlepoint marker is replaceable.

UPC CODE	NO.
24050	820



802N

SELF CENTERING NAIL AND BRAD SETS

- For quickly and accurately setting finishing nails and brads without marring wood surface.
- Nickel plated knurled body.
- Spring loaded striker automatically retracts.
- No. 802N Nail Set for 4d and 6d finishing nails.
- No. 802B Brad Set for Nos. 16, 17, and 18 brads.

UPC CODE	NO.
24006	802N
24003	802B



806

JIFFY CENTERING PUNCH

- For quickly starting screw holes when attaching countersunk hardware such as hinges, hasps, hangers, and drawer pulls.
- Countersunk end ensures starting hole is centered in hardware screw hole.
- Pin made of plated hardened steel.
- Individually carded.

UPC CODE	NO.
24018	806



813/809

CHISEL/PLANE BLADE SHARPENING KIT

- Keeps chisel and plane blades razor sharp.
- Graduated settings maintain correct 30° cutting angle on chisel or plane blade.
- Spring clamp locks in blades up to 2-5/8" wide.
- Made of high impact fiberglass reinforced LEXAN®.
- Folds for storage.

- Bonded Sharpening Stone No. 813 has fine No. 84 grit and coarse No. 34 grit surfaces.
- Stone measures 6" x 2" x 3/4".

UPC CODE	NO.	
24029	813/809	Guide and sharpening stone

- Available individually.

UPC CODE	NO.	
24024	809	Guide
24026	813	Sharpening stone

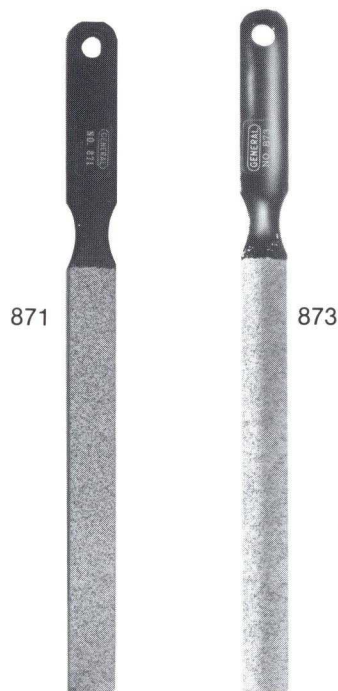


810

CHISEL AND PLANE BLADE SHARPENER

- This tool keeps chisels and blades razor sharp and to the original bevel or angle.
- Sturdy die cast frame and threaded adjustable roller.
- Spring clamp capacity to 2-5/8" wide blades and chisels.
- Use with an oil stone or any abrasive surface.

UPC CODE	NO.
24033	810



871

873

TUNGSTEN CARBIDE GRIT FILES AND RASPS

- Designed to file and shape wood, wallboard, plastic, and fiberglass.
- Tungsten carbide grit surface is hard and durable.
- Easy to clean for reuse.
- Individually carded.

UPC CODE	NO.	
25021	871	2 sides/coarse 46 grit, medium 80 grit
25023	873	Coarse 46 grit



883

TUNGSTEN CARBIDE GRIT SANDING DISCS

- Tungsten carbide grit brazed to metal disc outlasts ordinary sanding discs.
- For use with electric drill and General's Right Angle Drive No. 924 to sand wood, plastics, wallboard, and similar materials.
- Easily cleaned and reusable.
- Available in 5" and 6" discs with fine, medium, or coarse grit.

UPC CODE	NO.	SIZE	GRIT
25034	883-5F	5"	150 Fine
25037	883-5M	5"	120 Medium
25040	883-5C	5"	80 Coarse
25043	883-6F	6"	150 Fine
25046	883-6M	6"	120 Medium
25050	883-6C	6"	80 Coarse

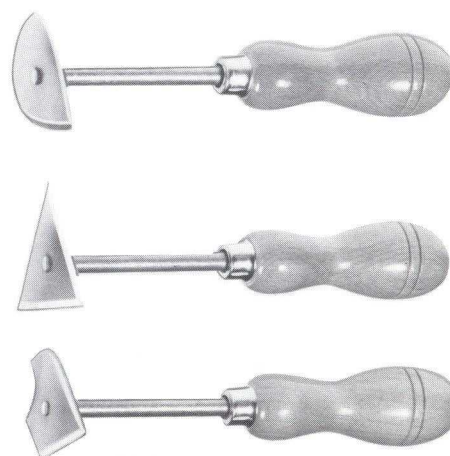


884

TUNGSTEN CARBIDE SANDING SHEETS

- Tungsten carbide grit brazed to metal sheet for long life.
- For power orbital and oscillating sanders.
- 9" x 3-5/8" sheets may be cut to desired size.
- Individually carded.

UPC CODE	NO.	GRIT
25053	884F	150 Fine
25056	884M	120 Medium
25059	884C	80 Coarse



S805

SHAVE-HOOK SET

- Specially designed for scraping paint and shaving flat, convex, and concave surfaces.
- Useful on molding, furniture, boats, and hard to reach surfaces.
- Durable, sharp, tempered steel blades, beechwood handles, sturdy steel shank, easy to resharpen blades.
- Set includes three shave hooks: round and pointed, triangular, and combination blade.

UPC CODE	NO.
24015	S805

Machinist, Measuring, and Precision Tools



AUTOMATIC CENTER PUNCHES

- General's automatic center punches are a precise means of punching center holes for drilling in layout work.
- Single hand operation. Stored energy design eliminates the need for striking the punch with a hammer.

- Spring tension cap can be adjusted for light to heavy strokes.
- Punch depth can be set for repetitive work.
- Replacement points, shafts, and moving parts are hardened alloy steel.



BALL BEARING AUTOMATIC CENTER PUNCH

- Unique ball bearing action.
- Lightweight aluminum body with long wearing alloy steel parts.
- Body diameter 5/8"; overall length 5".
- All steel solid point is replaceable.

UPC CODE	NO.	
31062	77	
31064	77P	Replacement point



ALL STEEL AUTOMATIC CENTER PUNCH

- Heavy duty center punch.
- All steel 6" body with threaded, replaceable steel point and shaft.
- Body diameter is 5/8".

UPC CODE	NO.	
31066	78	
31068	78P	Replacement point
31070	78SH	Replacement shaft



POCKET AUTOMATIC CENTER PUNCH

- Punches, marks, scribes and starts nail or screw holes.
- Lightweight aluminum body with replaceable alloy steel point for long wear.
- Adjusts for light or heavy markings.
- Pencil slim design with pocket clip.

UPC CODE	NO.	
31108	87	
31110	87P	Replacement point



AUTOMATIC CIRCUIT TRACE CUTTER

- Accurately cuts individual conductor traces on printed circuitboard.
- Fine adjustment permits precise cutting of different copper weights.
- Protects against damage to various circuitboard substrates.
- Hardened chisel point is replaceable with No. 79CTP.
- Exclusive General patent.

UPC CODE	NO.	
31074	79CT	
31076	79CTP	Replacement point

- For making lighter markings than our Heavy Duty Punch No. 78.
- All steel 5" body with threaded, replaceable steel point and shaft.
- Body diameter is 1/2".

UPC CODE	NO.	
31072	79	
31078	79P	Replacement point
31080	79SH	Replacement shaft

- All steel solid point shaft.
- Body diameter 1/2"; overall length 5".

UPC CODE	NO.	
31084	79X	
31088	79XP	Replacement point shaft

CENTER PUNCHES

Machinists use our center punches for marking work in layout and drilling operations. These tools are constructed of hardened and ground alloy tool steel for maximum strength and durability.



ROUND SHANK PUNCH

- Points are ground to size for maximum strength and penetration.
- Knurled body.
- Stamped with size for quick identification.
- Set contains one each of the five sizes, AA-D, listed below, packed in a vinyl case.

UPC CODE	NO.	
31018	SPC74	

- Individual sizes available.

UPC CODE	NO.	DIA. AT TOP OF TAPER	LENGTH	BODY DIA.
31020	74AA	1/16"	3-1/8"	1/4"
31022	74A	5/64"	4"	5/16"
31024	74B	3/32"	4"	5/16"
31026	74C	9/64"	4"	3/8"
31028	74D	5/32"	4"	7/16"



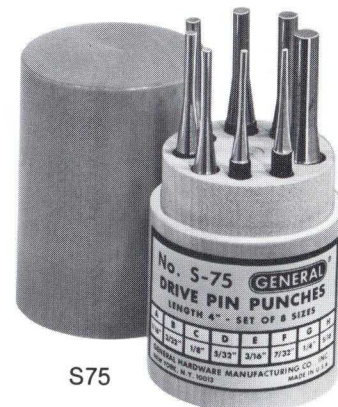
SQUARE SHANK PUNCH

- Square knurled body will not roll.
- Each punch stamped with size for quick identification.
- Set contains one each of the seven sizes, A-G, listed below, packed in a vinyl case.
- Conforms to government specifications GGG-P-831E.

UPC CODE	NO.	
31002	SPC73	

- Individual sizes available.

UPC CODE	NO.	DIA. AT TOP OF TAPER	LENGTH	BODY DIA.
31004	73A	1/16"	2-7/8"	3/16"
31006	73B	5/64"	3-3/8"	15/64"
31008	73C	3/32"	3-11/16"	17/64"
31010	73D	1/8"	4"	5/16"
31012	73E	5/32"	4-1/4"	23/64"
31014	73F	3/16"	4-5/8"	27/64"
31016	73G	1/4"	5"	15/32"



S75

DRIVE PIN PUNCHES

- Tool steel punches are uniformly heat treated and centerless ground to withstand the hardest use.
- 4" long with knurled bodies.
- Ends are ground square for accurate pin driving.
- Conform to federal specifications GGG-P-831E.
- Set contains eight punches, one of each size, A-H, listed below.

UPC CODE	NO.	
31032	SPC75	Plastic case
31030	S75	Wood case

- Individual sizes available.

UPC CODE	NO.	PUNCH DIA.	OVERALL LENGTH	LENGTH OF DRIVE
31034	75A	1/16"	4"	3/4"
31036	75B	3/32"	4"	3/4"
31038	75C	1/8"	4"	3/4"
31040	75D	5/32"	4"	3/4"
31042	75E	3/16"	4"	1"
31044	75F	7/32"	4"	1"
31046	75G	1/4"	4"	1"
31048	75H	5/16"	4"	1"

76

EXTRA LONG DRIVE PIN PUNCHES

- Made of tool steel, hardened and centerless ground.
- Knurled body is 4-1/2" long and the drive pin section 3-1/2" long.
- For use on work not accessible with shorter punches.
- Set contains five punches, one of each size, A-E, listed below, in a vinyl case.
- Conforms to government specifications GGG-P-831E.

UPC CODE	NO.	CAPACITY
31050	SPC76	1/8", 3/16", 1/4" 5/16", 3/8"

- Individual sizes available.

UPC CODE	NO.	PUNCH DIA.	BODY DIA.	LENGTH
31052	76A	1/8"	7/16"	8"
31054	76B	3/16"	1/2"	8"
31056	76C	1/4"	1/2"	8"
31058	76D	5/16"	1/2"	8"
31060	76E	3/8"	9/16"	8"

1283ST



SPRING PIN PUNCH SET

- Specially designed to insert or remove spring and roll pins without damage to pin or hole.
- Special point fits into the hollow center of punch is in perfect position for use.
- Indispensable for assembly and repair of today's mechanical components.
- Set of six forged, hardened and tempered steel punches.

UPC CODE	NO.	CAPACITY
43901	1283ST	1/8", 5/32", 3/16", 7/32", 1/4", 5/16"

1285



MECHANICS TOOL SET

- General has combined the most useful mechanics tools in a convenient pouch.
- Set includes Aligning/Scratch Awl Tool, 5/32" dia. Center Punch, 1/4" Drive Pin Punch, and 5/8" Cold Chisel.

UPC CODE	NO.
43899	1285

COLD CHISEL

- Specially designed for metal cutting and chipping.
- Forged from high carbon steel, hardened and tempered for extra long wear.
- Measures 6-5/16" length, 5/8" blade and 1/2" body diameter.

UPC CODE	NO.
43897	1284

SCRIBERS

General manufactures a complete line of scribes for machinists, engravers, mechanics, and craftspeople. A basic tool for scribing, layout work, and tool marking.

88CM

TUNGSTEN CARBIDE SCRIBER AND MAGNET

- Tungsten carbide tip marks hard materials including hardened steel, ceramics, and glass.
- Alnico permanent magnet picks up small parts and retrieves steel chips from hard to reach places.
- Scriber point reverses for safety.
- Replacement Point No. 88P.
- Individually carded.

UPC CODE	NO.
31116	88CM
31114	88P

88

TUNGSTEN CARBIDE POINT SCRIBER

- Tungsten carbide tip marks stainless steel, copper, ceramics, and glass.
- Screw chuck for reversing tungsten carbide point when not in use.
- Replacement Point No. 88P.
- Measures 6" overall.
- Individually carded.

UPC CODE	NO.
31112	88
31114	88P

85

SINGLE POINT SCRIBER

- Hardened tempered point measures 4-1/2".

UPC CODE	NO.
31106	85

84

REPLACEABLE NEEDLEPOINT SCRIBER

- Scribes stainless steel, copper, brass, glass, and ceramics.
- Nork patterned scriber measures 5-5/16" overall.
- Four extra points are stored under cap.
- Replacement Point No. 84P.
- Individually carded.

UPC CODE	NO.
31102	84
31104	84P

83

POCKET SCRIBERS

- Replaceable hardened and centerless ground point.
- Point reverses into knurled body for safety.
- Conforms to government specifications GGG-S-131e.
- Individually carded.

UPC CODE	NO.	BODY DIA.	BLADE LENGTH	OVERALL LENGTH
31092	81	3/8"	2-7/8"	5-7/8"
31094	81P			
31098	83	1/4"	2-3/8"	4-3/4"
31100	83P			

381

SCRAPER/SCRIBER

- For punching, marking, cutting, and carving plastic, leather, paper, and rubber.
- Combines a needle sharp hardened scriber with a specially designed hardened raked angle sharp chisel scraper in the same tool.
- Knurled 1/4" body with an overall length of 6-1/2".

UPC CODE	NO.
31406	381

380A



THREE POINT SCRIBER

- Finest quality machinist's scriber.
- Aluminum knurled body, with three interchangeable threaded points: short straight, short bent, and long bent.
- Overall length of tool with two short points is 9".
- Overall length with one short and one long point is 12".
- Handle and short points are 3" long.

UPC CODE	NO.
31400	380A

TWO POINT SCRIBER

- This scriber consists of short straight and short bent points which thread into knurled body.

UPC CODE	NO.
31403	380B

80

FIXED TWO POINT SCRIBER

- Hardened and ground steel needle points are fixed to a knurled body.
- Has one straight point and one bent point.
- Measures 8-1/2" overall.

UPC CODE	NO.
31090	80

382

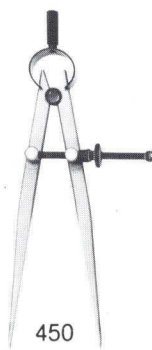
ADJUSTABLE TWO-POINT SCRIBER

- Sliding handle on scriber shaft adjusts to any position and locks in position.
- One end has straight point, other end has bent point.
- Overall length is 6".

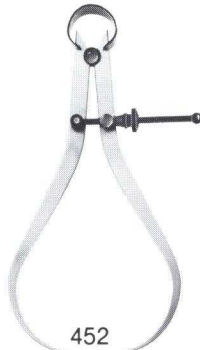
UPC CODE	NO.
31409	382

FLAT LEG PATTERN DIVIDERS AND CALIPERS

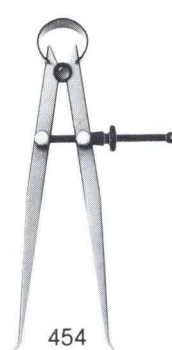
- Flat leg dividers and caliper legs are forged of special caliper steel.
- Hardened and tempered bow springs and fulcrum spools assure uniform tension without side play.
- Adjusting screw has a self seating washer and nut to permit quick and positive adjustment.
- Dividers have hardened points.
- Calipers have hardened measurement faces.
- Meet government specifications GGG-C-95.



450



452



454



456-6

*Caliper/Divider 450, 452, and 454 only.

ROUND LEG PATTERN DIVIDERS AND CALIPERS

- Needle points on dividers and hermaphrodite calipers are replaceable.
- Adjusting screw with self seating washer permits quick adjustment.
- Legs are centerless ground, well balanced and fully polished.



400



402



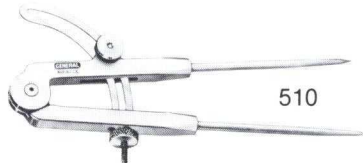
404



406-6

WING DIVIDERS

- Heavy duty divider with cast alloy body, hardened steel points, fully polished and nickel plated.



510

UPC CODE	NO.	SIZE
31645	510-6	6"
31648	510-8	8"

TOOLMAKER'S SURFACE GAGES

- Spindle arm and scribes are adjustable and lock into position at any angle for laying out and scribing lines.
- Hardened and ground steel base has V-groove for scribing cylindrical work.
- Recessed front allows spindle to be depressed below base line for depth gaging.
- With scriber point and two spindles.

UPC CODE	NO.	SPINDLES	BASE
31436	398	4" and 7"	2-1/8" x 1-9/16" x 3/4"
31439	399	9" and 12"	3-1/2" x 2-1/2" x 1"



399CA

397SGS

399

SURFACE GAGE ACCESSORIES

SURFACE GAGE SLEEVE

UPC CODE	NO.	DIAMETER
31433	397SGS	5/16" and 3/8" holes and spindle

CLAMP ATTACHMENT

UPC CODE	NO.	DIAMETER
31411	399CA	3/16", 1/4", and 5/32" scriber or indicator holes

DIVIDERS

UPC CODE	NO.	SIZE
31598	450-4	4"
31601	450-6	6"
31604	450-8	8"
31592	450-10	10"
31595	450-12	12"

OUTSIDE CALIPERS

UPC CODE	NO.	SIZE
31615	452-4	4"
31618	452-6	6"
31621	452-8	8"
31607	452-10	10"
31610	452-12	12"

INSIDE CALIPERS

UPC CODE	NO.	SIZE
31630	454-2	2"
31636	454-4	4"
31639	454-6	6"
31641	454-8	8"
31624	454-10	10"
31627	454-12	12"

HERMAPHRODITE CALIPERS

UPC CODE	NO.	SIZE
31644	456-6	6"

DIVIDERS

UPC CODE	NO.	SIZE
31443	400-4	4"
31446	400-6	6"

OUTSIDE CALIPERS

UPC CODE	NO.	SIZE
31449	402-2	2"
31455	402-4	4"
31458	402-6	6"

INSIDE CALIPERS

UPC CODE	NO.	SIZE
31461	404-4	4"
31464	404-6	6"

HERMAPHRODITE CALIPERS

UPC CODE	NO.	SIZE
31467	406-6	6"



7

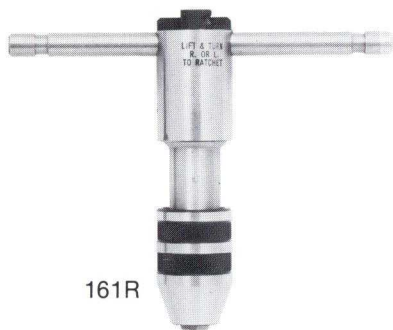
MACHINIST'S JACK

- Use on drill presses, shapers, milling machines, planers, electric appliances, or any place leveling is needed.
- Heavy cast steel base with adjustable screw and tilting swivel head; lock nut for permanent positioning.
- Lifting capacity approximately 1,000 lbs.
- 1" adjustment. 3" high closed; 4" high fully extended.

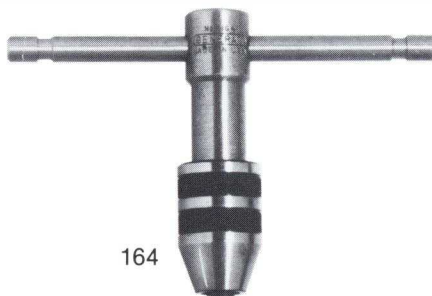
UPC CODE	NO.
21015	7

T-HANDLE TAP WRENCHES

General's tap wrenches provide good leverage in tight spaces. These top quality tools are designed to give the user the reach and leverage needed for accurate tapping. They hold taps, reamers, screw extractors, and hand-turned tools.



161R



164

REVERSIBLE RATCHET TAP WRENCHES

- Ratchet can be set for right or left hand operation or locked for non ratchet use.
- Self centering hardened tool steel jaws and knurled chuck sleeve provide positive grip on taps, reamers, and small tools.
- Replacement jaws available; specify tool number.
- Individually boxed.
- No. 161R conforms to government specifications GGG-W-680a.

UPC CODE	NO.	TAP CAPACITY (NOS. AND INCHES)	LENGTH
31200	160R	No. 0 to No. 8 (1.6 to 4mm)	2-3/4"
31203	161R	No. 0 to 1/4" (1.6 to 6.3mm)	3-1/2"
31209	162R	No. 12 to 1/2" (6 to 12.5mm)	4-1/4"

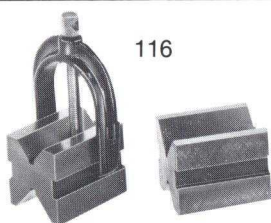
LONG HANDLED REVERSIBLE RATCHET WRENCH

- Extra long length provides optimum leverage and a comfortable grip for working in hard to get at locations.

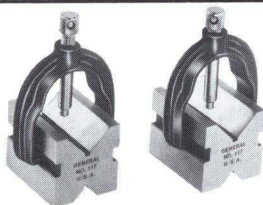
UPC CODE	NO.	TAP CAPACITY (NOS. AND INCHES)	LENGTH
31206	161RL	No. 0 to 1/4" (1.6 to 6.3mm)	13"

V-BLOCKS AND CLAMPS

General's V-blocks securely hold and position work for grinding, milling, and drilling.



116



117

MACHINIST'S SET

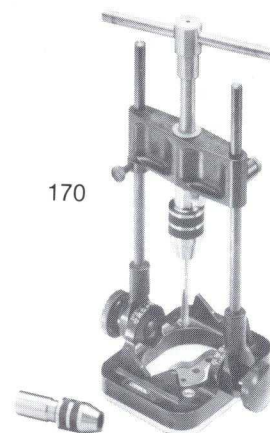
- Moderately priced set especially designed for machine shop uses including drilling, grinding, and milling.
- Machined of sintered iron.
- Set includes two V-blocks and one clamp.
- Approximately 1-1/2" diameter clamping capacity.

UPC CODE	NO.	
31160	116	
31161	116C	Clamp only

TOOLMAKER'S SET

- A precision set for toolmakers and machinists.
- Made of hardened tool steel machined and ground in pairs to close tolerances.
- Clamping capacity 1".
- Blocks are approximately 1-1/4" square by 1-5/8" long.
- Two V-blocks and two clamps are included in the set.

UPC CODE	NO.	
31162	117	
31163	117C	Clamp only



170

TAP AND REAMER GUIDE

- The multi-angle feature of the tap and reamer guide improves the accuracy and ease of hand tapping and reaming.
- Taps and reams at any angle 45° in either direction from vertical.
- Capacity No. 4 to 1/2" taps.
- For square shank hand reamers 1/8" to 7/16".
- Includes two quick change keyless chucks with hardened, replaceable jaws.
- Guide rod extensions for long reamers.
- Vee guides for tapping or reaming round stock or pipe.
- Depth stop prevents bottoming and tap breakage.

UPC CODE	NO.
31230	170

178



26-PIECE RETHREADER TAP AND DIE SET

- General's rethreader tap and die set enables you to rethread both National Fine and National Coarse Fasteners.
- Use taps for repair of damaged internal threads; dies for repairing damaged threads on bolt.
- Rust resistant dies and taps are packed in reusable storage package.

UPC CODE	NO.
31238	178

118



TOOLMAKER'S PARALLEL CLAMPS

- For holding or clamping work together when drilling, tapping, welding, and assembling.
- Jaws and screws are hardened.

UPC CODE	NO.	CAPACITY	LENGTH
31164	118A	1-1/4"	2"
31166	118B	1-3/4"	2-1/2"
31168	118C	2-1/4"	3"
31170	118D	2-3/4"	4"

ULTRATEST® STEEL RULES

- All Ultratest rules are manufactured by a special process to meet or exceed federal specification GGG-R-791f for accuracy.
- They have ultra fine black graduations against hard satin chrome finish for easy reading and long life.
- All Ultratest rules supplied with plastic case.

TYPE OF GRADUATIONS

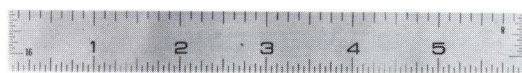
3R GRADUATION—32nds, 64ths, 10ths, 50ths.

4R GRADUATION—8ths, 16ths, 32nds, 64ths.

5R GRADUATION—32nds, 64ths, 10ths, 100ths

16R GRADUATION—32nds, 64ths, 50ths, 100ths.

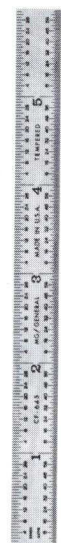
METRIC ENGLISH—32nds, 64ths, 0.5mm, mm.



CF661



CF645



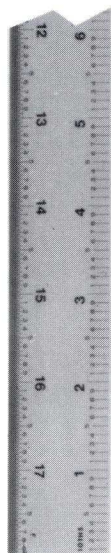
CF647



CF665



SIDE 1



CF1865

ULTRATEST® STEEL RULES

UPC CODE	STOCK NO.	SIZE	GRAD TYPE	GRADUATION		WIDTH
				SIDE 1	SIDE 2	
6" RULES						
39021	CF640mm	150mm Flex	—	mm, .5mm	mm, .5mm	1/2"
33015	CF643	6" Flex	3R	32, 64	10, 50	1/2"
33018	CF644	6" Flex	4R	8, 16	32, 64	1/2"
33020	CF645	6" Flex	5R	10, 100	32, 64	1/2"
33025	CF646	6" Flex	16R	32, 64	50, 100	1/2"
33030	CF647me	6" Flex	—	32, 64	mm, .5mm	1/2"
33035	CF649md	6" Flex	—	10, 100	mm, .5mm	1/2"
33040	CF661	6" Rigid	4R	8, 16	32, 64	3/4"
				w/32nd End Grads		
33045	CF663	6" Rigid	3R	32, 64	10, 50	3/4"
33050	CF664	6" Rigid	4R	8, 16	32, 64	3/4"
33055	CF665	6" Rigid	5R	10, 100	32, 64	3/4"
33060	CF666	6" Rigid	16R	32, 64	50, 100	3/4"
33065	CF667me	6" Rigid	—	32, 64	mm, .5mm	3/4"
33070	CF669md	6" Rigid	—	10, 100	mm, .5mm	3/4"
12" RULES						
33075	CF1243	12" Flex	3R	32, 64	10, 50	1/2"
33080	CF1244	12" Flex	4R	8, 16	32, 64	1/2"
33085	CF1245	12" Flex	5R	10, 100	32, 64	1/2"
33090	CF1246	12" Flex	16R	32, 64	50, 100	1/2"
33095	CF1247me	12" Flex	—	32, 64	mm, .5mm	1/2"
33100	CF1249md	12" Flex	—	10, 100	mm, .5mm	1/2"
33105	CF1263	12" Rigid	3R	32, 64	10, 50	1"
33110	CF1264	12" Rigid	4R	8, 16	32, 64	1"
33115	CF1265	12" Rigid	5R	10, 100	32, 64	1"
33120	CF1266	12" Rigid	16R	32, 64	50, 100	1"
18" RULES						
33130	CF1843	18" Flex	3R	32, 64	10, 50	3/4"
33135	CF1844	18" Flex	4R	8, 16	32, 64	3/4"
33140	CF1845	18" Flex	5R	10, 100	32, 64	3/4"
33145	CF1846	18" Flex	16R	32, 64	50, 100	3/4"
33150	CF1847me	18" Flex	—	32, 64	mm, .5mm	3/4"
33155	CF1849md	18" Flex	—	10, 100	mm, .5mm	3/4"
33160	CF1863	18" Rigid	3R	32, 64	10, 50	1-1/8"
33165	CF1864	18" Rigid	4R	8, 16	32, 64	1-1/8"
33170	CF1865	18" Rigid	5R	10, 100	32, 64	1-1/8"
33175	CF1866	18" Rigid	16R	32, 64	50, 100	1-1/8"
24" RULES						
33180	CF2443	24" Flex	3R	32, 64	10, 50	3/4"
33185	CF2444	24" Flex	4R	8, 16	32, 64	3/4"
33190	CF2445	24" Flex	5R	10, 100	32, 64	3/4"
33195	CF2446	24" Flex	16R	32, 64	50, 100	3/4"
33200	CF2447me	24" Flex	—	32, 64	mm, .5mm	3/4"
33205	CF2449md	24" Flex	—	10, 100	mm, .5mm	3/4"
33210	CF2463	24" Rigid	3R	32, 64	10, 50	1-1/8"
33215	CF2464	24" Rigid	4R	8, 16	32, 64	1-1/8"
33220	CF2465	24" Rigid	5R	10, 100	32, 64	1-1/8"
33225	CF2466	24" Rigid	16R	32, 64	50, 100	1-1/8"
33230	CF2467me	24" Rigid	—	32, 64	mm, .5mm	1-1/8"
33235	CF2469md	24" Rigid	—	10, 100	mm, .5mm	1-1/8"
ADJUSTABLE HOOK RULES						
33010	CF624H	6" Rigid	4R	8, 16	32, 64	3/4"
33005	CF1224H	12" Rigid	4R	8, 16	32, 64	1"

CF1265

CF624H

CF665

SIDE 2

INDUSTRIAL STEEL RULES

UPC CODE	STOCK NO.	SIZE	GRAD TYPE	GRADUATION		WIDTH
				SIDE 1	SIDE 2	
6" PRECISION STAINLESS STEEL RULES						
32096	616	6" Flex	5R	10, 100	32, 64	15/32"
32105	633	6" Flex	—	10, 50	16, 32	15/32"
32108	634	6" Flex	4R	8, 16	32, 64	15/32"
32110	651*	6" Flex	Model RR	HO, S, O, Gage	N, Z	3/4"
32111	676	6" Rigid	4R	8, 16	32, 64	3/4"
32114	678med	6" Rigid	—	mm, .5mm	10, 20, 50, 100 16, 32, 64	3/4"
12" PRECISION STAINLESS STEEL RULES						
32162	1201me	12" Flex	—	16, 32, 64 mm, .5mm	8, 16 32, 64	7/8"
32168	1203me	12" Flex	—	mm, .5mm	32, 64	15/32"
32171	1210	12" Flex Center Finding	—	16, 32	32, 64	1"
32174	1216	12" Flex	5R	10, 100	32, 64	15/32"
32177	1234	12" Flex	4R	8, 16	32, 64	15/32"
32180	1251	12" Flex	Model RR	HO, S, O Gage	N Gg., mm, 64 Dec. Equiv.	1"
31286	1276	12" Rigid	4R	8, 16	32, 64	1"
6" AND 12" PRECISION SATIN CHROME STAINLESS STEEL RULES						
32123	CF616	6" Flex	5R	10, 100	32, 64	15/32"
32129	CF618med	6" Flex	—	.5mm, 100	32, 64	15/32"
32132	CF633	6" Flex	—	10, 50	16, 32	15/32"
32135	CF634	6" Flex	4R	8, 16	32, 64	15/32"
32141	CF676	6" Rigid	4R	8, 16	32, 64	3/4"
32147	CF678med	6" Rigid	—	mm, .5mm	10, 20, 50, 100 16, 32, 64	3/4"
32150	CF1216	12" Flex	5R	10, 100	32, 64	15/32"
32153	CF1227me	12" Rigid	—	32, 64	mm, .5mm	1"
32156	CF1234	12" Flex	4R	8, 16	32, 64	15/32"
32159	CF1276	12" Rigid	4R	8, 16	32, 64	1"

ECONOMY STEEL RULES

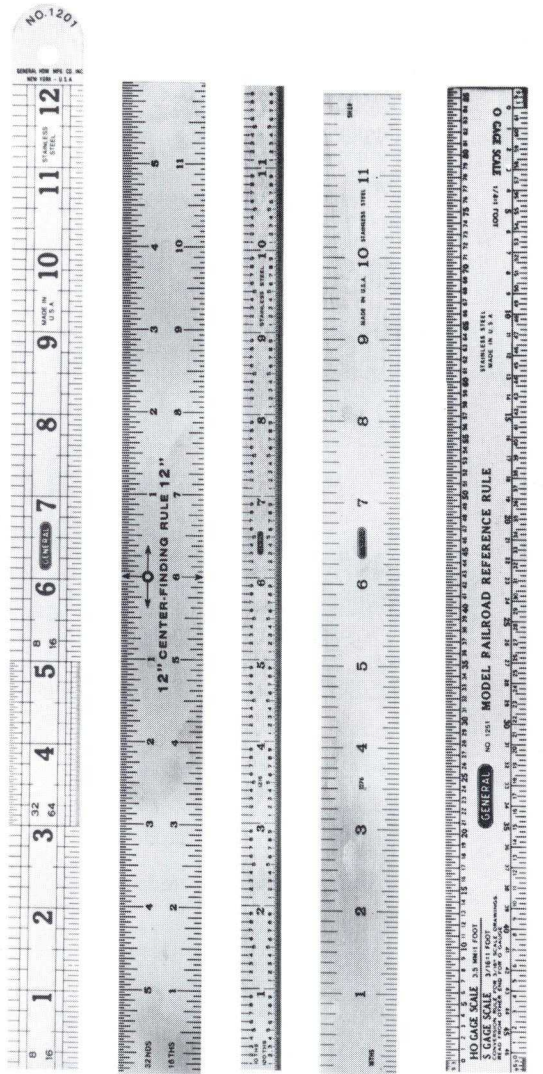
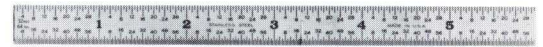
6" STAINLESS STEEL RULES 300 SERIES						
32036	300/1**	6" Flex	I	32, 64	Dec. Equiv.	15/32"
32039	300/12**	Twelve No. 300 Rules on Display Card				
32041	300mm**	150mm Flex		mm, .5mm		15/32"
32042	300me**	6" Flex (150mm)		mm, 64	Metric Equiv.	15/32"
32046	301/1**	6" Flex		32, 64		1/4"
32049	301me/1**	6" Flex		mm, 16		1/4"
32060	305me	6" Flex		mm, 16		15/32"
32063	307	6" Flex		8, 16		3/4"
				w/32nd End Grads		
32066	308	6" Flex		32, 64	Dec. Equiv.	3/4"
32072	310	6" Flex		32, 64	B&S Wire Gg.	3/4"
32075	311me	6" Flex		mm-inch 16, 32	Comparison	3/4"
32078	340	6" Temp. Steel (Not Stainless)		8, 16	32, 64	3/4"
6" TEMPERED STEEL CHROME FINISH RULES						
32090	CF300**	6" Flex		32, 64	Dec. Equiv.	15/32"
32093	CF306md**	6" Flex		10, 50	mm, .5mm	15/32"

STEEL RULES

General industrial quality rules are precision made, with etched fine black graduations, on stainless steel or satin chrome finish.



CF616



1201me 1210 1216 1276 1251



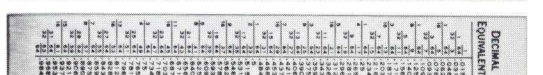
300



301



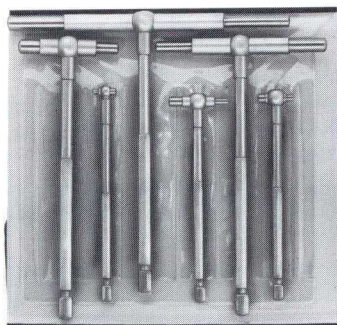
308



308

*New Item

**Furnished with pocket clip

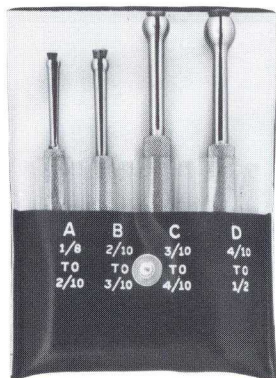


S98-6

TELESCOPING GAGES

- These gages are used for quick and accurate measurement of inside diameters of holes and widths of slots from which micrometer measurements are taken.
- Both gaging ends are heat treated tool steel and ground to a radius for measuring the smallest hole the gage will enter.
- Self centering action ensures accuracy.
- Long handled design provides improved reach in deep holes and slots.
- Satin chrome finish.
- Available in sets of four and six.

UPC CODE	NO.	RANGE
31128	S98-4	One each of four sizes, AA-C, listed below, packed in vinyl case
31130	S98-6	One each of six sizes, AA-E, listed below, packed in vinyl case
31132	98AA	5/16" to 1/2"
31134	98A	1/2" to 3/4"
31136	98B	3/4" to 1-1/4"
31138	98C	1-1/4" to 2-1/8"
31140	98D	2-1/8" to 3-1/2"
31141	98E	3-1/2" to 6"

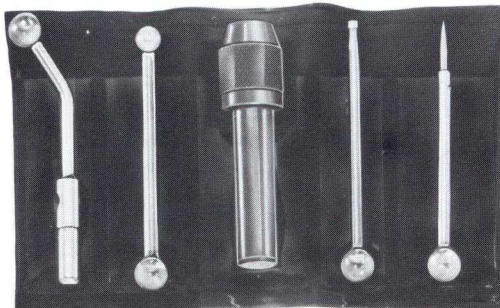


S97

FULL BALL HOLE GAGES

- Measure inside diameters or widths of small holes and grooves from 1/8" to 1/2".
- Heat treated and precision ground tool steel.
- A companion to our General telescoping gages.

UPC CODE	NO.	RANGE
31118	S97	One each of four sizes, A-D, listed below, packed in vinyl case
31120	97A	.125" to .200"
31122	97B	.200" to .300"
31124	97C	.300" to .400"
31126	97D	.400" to .500"



S389-4

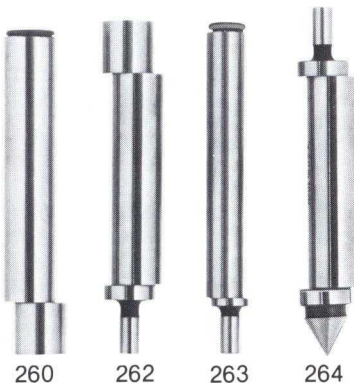
WIGGLER/CENTER FINDER SET

- The snap in ball and socket wiggler is essential for precise setups in machine shops.
- Locates spindle centers and working points on drill presses, milling, and other machines.
- Four interchangeable point attachments snap into adjustable spring tension clutch holder.
- Set includes snap in holder, needle point, disc point, ball shaft, and indicator shaft packed in a vinyl case.

UPC CODE	NO.
31418	S389-4

REPLACEMENT PARTS FOR NO. 389

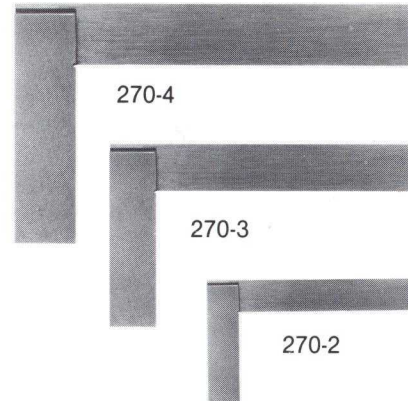
UPC CODE	NO.	DESCRIPTION
31421	389NPS	Needle point shaft
31424	389BC	Ball shaft
31427	389DC	Disc point shaft
31430	389-IH	Offset indicator holder



EDGE FINDERS

- General's edge finders accurately locate working edges, shoulders, grooves, center points, and scribed lines.
- Time-saving positioning tools for jig borers, milling, and other machines.
- Hardened and centerless ground to precision tolerance.

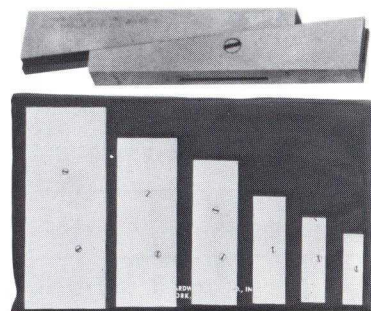
UPC CODE	NO.	END	SIZE	SHANK
31329	260	Single	.500"	1/2"
31331	262	Double	.200" and .500"	1/2"
31334	263	Single	.200"	3/8"
31337	264	Double	.200" and point	1/2"



PRECISION SQUARES

- Use where accurate right angles are essential.
- For checking external and internal 90° angles.
- Beam is riveted to the fully ground and polished carbon steel blade.
- Groove on inside corner of beam for clearance of dirt or burrs.

UPC CODE	NO.	BLADE LENGTH	BEAM LENGTH
31340	270-2	2-3/16"	1-3/4"
31343	270-3	3-1/16"	2-1/4"
31346	270-4	4"	3"
31349	270-6	6"	3-3/4"



S112-6

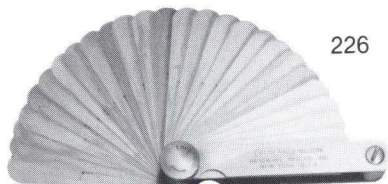
ADJUSTABLE PARALLELS

- These tools are used by machinists and toolmakers for measuring the width of slots with micrometers.
- For checking, marking, and positioning work on surface plates, lathes, and millers.
- Also used for leveling and adjusting work on various machine tools.
- Precision sintered iron is machined and ground to close tolerances.
- Set screws securely lock the dovetail slot adjustment to micrometer measurement.
- All sizes are 9/32" thick.
- Available in sets of four and six.

UPC CODE	NO.	RANGE	LENGTH
31156	S112-4	One each of four sizes, A-D, listed below, packed in vinyl case	
31158	S112-6	One each of six sizes, A-F, listed below, packed in vinyl case	
31144	112A	3/8" to 1/2"	1-3/4"
31146	112B	1/2" to 11/16"	2-1/8"
31148	112C	11/16" to 15/16"	2-11/16"
31150	112D	15/16" to 1-5/16"	3-9/16"
31152	112E	1-5/16" to 1-3/4"	4-3/16"
31154	112F	1-3/4" to 2-1/4"	5-1/16"

FEELER (THICKNESS) GAGES

- Made of the finest high grade precision gage steel.
- Each leaf is etched with size numbers in thousandths for quick identification.
- Knurled lock nut holds the leaves in desired position.
- Gages conform to government specifications GGG-G-17b.

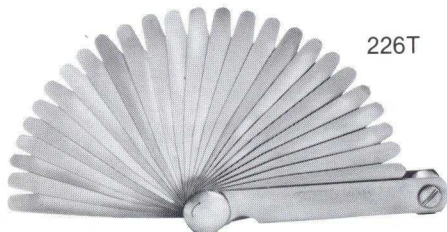


226

STRAIGHT LEAF

- 3" leaves are 1/2" wide.

UPC CODE	NO.	LEAVES	SIZES
31300	209	9	.0015" to .015"
31306	226	26	.0015" to .025"



226T

TAPER LEAF

- 3" leaves taper from 1/2" to just 1/4" wide for working in confined spaces.

UPC CODE	NO.	LEAVES	SIZES
31309	226T	26	.0015" to .025"

ECONOMY FEELER (THICKNESS) GAGES

- All of our economy feeler gages have fine quality tempered steel leaves made to exacting tolerances.
- Each leaf is etched with both decimals of an inch and corresponding millimeter sizes.
- Nickel plated case has knurled locking nut for precise positioning.

26 LEAF ECONOMY GAGE

- General's best selling feeler gage provides precision accuracy at a reasonable price.
- 3" x 1/2" leaves.
- 26 leaves include the following sizes: .0015, .002, .0025, .003, .004, .005, .006, .007, .008, .009, .010, .011, .012, .013, .014, .015, .016, .017, .018, .019, .020, .021, .022, .023, .024, and .025".
- Metric range from .037 to .635mm.

UPC CODE	NO.
31311	230

15 LEAF ECONOMY GAGE WITH 3" LEAVES

- Gage includes: .002, .003, .004, .005, .006, .007, .008, .010, .011, .012, .013, .014, .015, .020, and .025".
- Metric range from .051 to .635mm.

UPC CODE	NO.
31313	231

15 LEAF ECONOMY GAGE WITH 6" LEAVES

- Longer leaves allow accurate measuring in hard to reach places. Sizes and metric range are the same as 15 Leaf Economy Gage No. 231.

UPC CODE	NO.
31316	232



S435BH

STAINLESS STEEL RADIUS GAGES

- A handy method for checking internal and external radii of tools, patterns, and dies.
- Each radius or fillet gage has both internal and external radii for easy application.
- Radius sizes are stamped on each gage.
- Packed in vinyl case with snap closure.
- Also available in 24 piece set without holder No. S435B, or 24 piece set with holder No. S435BH.

UPC CODE	NO.	SIZE
	435	Small (1/32" to 17/64" by 64ths)
		Large (9/32" to 1/2" by 32nds)
31577	S435B	16 small and 8 large sizes as listed above
31580	S435BH	16 small and 8 large sizes as above with holder

436

RADIUS GAGE HOLDER

- Permits the use of gages in hard to reach locations. Locking device holds the blades in either a 30° or 45° position.

UPC CODE	NO.
31583	436



778

CENTER GAGES

- General's center gages improve efficiency and speed up setups for lathe thread cutting.
- The gages are etched in graduations of 14ths, 20ths, 24ths, and 32nds of an inch for checking the number of threads per inch.
- 60° angles for U.S. standard threads and double depth of American National thread.
- Made of tempered and ground stainless steel.
- Notches have clearance slots.
- Also available in satin chrome finish No. CF778.

UPC CODE	NO.
35005	778
35010	CF778

Satin chrome finish

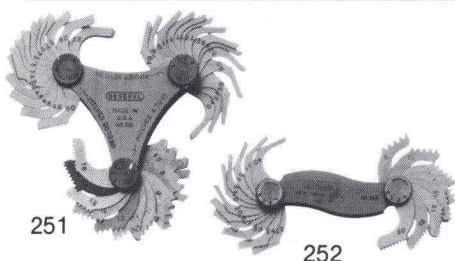


715

REFERENCE TABLE

- Essential tap drill and decimal equivalents reference table for toolmakers, machinists, and mechanics.
- Front has machine screw size tap drill chart for recommended 75% depth thread.
- Back has decimal equivalents table in 64ths from 1/64" to 63/64".
- For National Fine and National Special series of machine screws.
- Convenient 6" rule is graduated in 64ths.

UPC CODE	NO.
35015	715



251

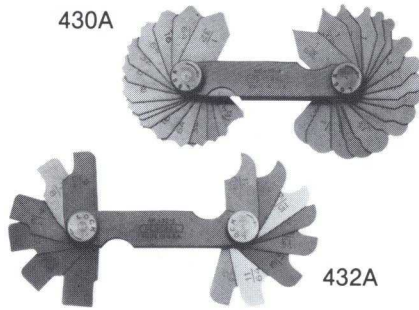
252

SCREW PITCH GAGES

- These finely crafted measuring devices are used for gaging V, American National, or U.S. standard 60° threads.
- Gages are notched for measuring inside threads of small holes and nuts as well as external threads.
- Set of 51 screw pitches combines all sizes from 4 to 84, including 11-1/2 and 27 pipe thread sizes.
- Knurled thumb nuts lock the case in an open or closed position.
- Also available in 22 pitch set No. 252 and metric No. 255mm.

UPC CODE	NO.	NO. OF PITCHES	SIZES
31321	251	51	4 to 84
31323	252	22	9 to 40
31326	255mm	22	.35 to 6.0mm

430A



432A

STAINLESS STEEL RADIUS OR FILLET GAGES

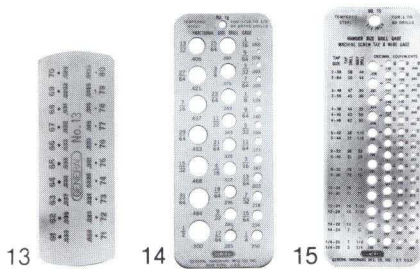
- General's fillet gages are used for checking the internal and external radii of tools, patterns, and dies.
- With knurled locking thumb screws.
- All blades are replaceable.

34 BLADES

UPC CODE	NO.	SIZE
31500	430A	1/64" to 17/64" by 64ths

16 BLADES

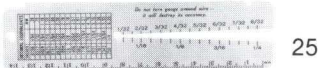
UPC CODE	NO.	SIZE
31503	432A	1/32" to 17/64" by 64ths



DRILL GAGES

- General's drill gages are used to quickly and conveniently identify drill bit sizes.
- Made of heavy gage steel, machined and ground to close tolerances.
- Hole sizes and decimal equivalents are permanently etched on the face.
- 5" x 2" wide.
- No. 14 conforms to government specifications GG-G-86b.

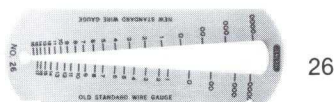
UPC CODE	NO.	
22003	12	Letter size drills A to Z
22006	13	3" x 1" . Number size drills 61 to 80
22009	14	Fractional size drills 1/16 to 1/2 x 64ths
22012	15	Number size drills 1 to 60
23044	35mm	Metric size drills 1 to 13mm x 0.5mm



W & M WIRE GAGE

- For gaging the thickness of steel, wire, and rod.
- Front is etched with Washburn and Moen standard wire-gage sizes from 3 to 20 and corresponding decimal equivalents.
- Reverse side is 5" rule marked with fractions of an inch from 1/32" to 1/4" and millimeters.
- Decimal equivalents of inches and millimeters included.
- Made of stainless steel.

UPC CODE	NO.
22043	25



SCREW AND WIRE GAGE

- Front side measures American Standard wood screws No. 0 to No. 30 at one edge, wire and screw diameters from 1/16" to 7/16" on opposite edge.
- Reverse side is graduated for Old or English Wire Gage (BWG) from 17 to 0000 on one edge. New Standard or American Wire Gage (AWG) from 15 to 0000 on the opposite edge.
- Also includes 3" rule for measuring screw lengths.
- Measures 4" x 1-3/8".
- Made of stainless steel.

UPC CODE	NO.
22044	26



WIRE GAGE

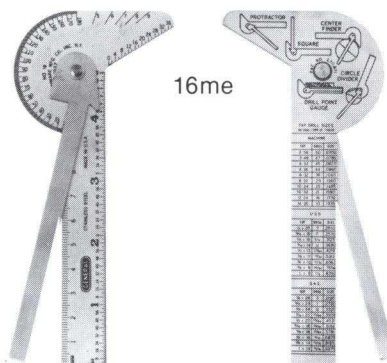
- American Standard wire gage 0 to 36 used for gaging non ferrous wire and metals such as copper, brass, and aluminum.
- Chrome finished, heavy gage hardened and tempered tool steel.
- Decimal equivalents of each size are stamped on reverse side.
- 3-1/4" diameter, 3/32" thick.

UPC CODE	NO.
22036	20

SHEET METAL GAGE

- For gaging uncoated sheet metal, plate iron, and steel.
- Gage numbers are U.S. Standard 0 to 36, based on weights in ounces per square inch.
- Decimal equivalents of each size are stamped on reverse side.
- Chrome finished, heavy gage tool steel is hardened and tempered.
- 3-1/4" diameter, 3/32" thick.
- Conforms to government specifications GG-G-86b.

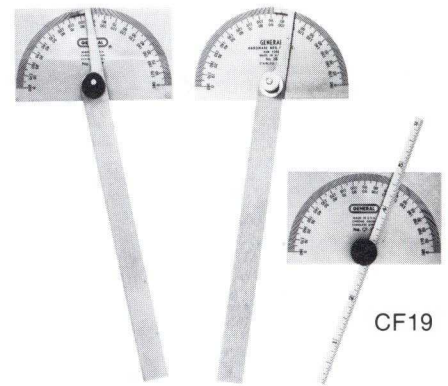
UPC CODE	NO.
22041	21



MULTI USE RULE AND GAGE

- One of our most popular pocket tools performs five separate and distinct functions.
- Drill point gage is used for checking 59°-angle drill points.
- Bevel protractor is used for measuring and laying out angles.
- Center finder locates centers of shafts or circles.
- Circle divider (up to nine equal parts) is used for dividing circles into sectors, regular polygons, and polygrams.
- Tap and drill table shows popular tap sizes with correct drill sizes for National form of thread.
- Made of long-wearing stainless steel.
- 4" rule has etched graduations in 64ths and millimeters.

UPC CODE	NO.
22015	16me



STEEL PROTRACTORS

- Preferred by machinists, draftspeople, and other mechanics for setting bevels, measuring, and transferring angles.
- Made of ground stainless steel for optimum accuracy.
- Permanently etched graduations from 0 to 180° in opposite directions.
- 3-3/8" x 2" head.
- 6" adjustable protractor arm locks into desired position with knurled thumb nut.
- Also available with satin chrome finish No. CF17.

UPC CODE	NO.	STYLE
22018	17	Square head
22021	CF17	Square head
22024	18	Round head

PROTRACTOR AND DEPTH GAGE

- Permanently etched with graduations from 0 to 180° in opposite directions.
- Narrow 6" x 14" depth gage rule has etched graduations in 32nds and 64ths.
- Spring tension nut locks rule for making both depth and angle measurements.
- Packed in individual vinyl case.
- Made of stainless steel.
- Also available in satin chrome finish No. CF19.

UPC CODE	NO.	STYLE
22027	19	Square head
22033	CF19	Square head
22030	19mm	Metric



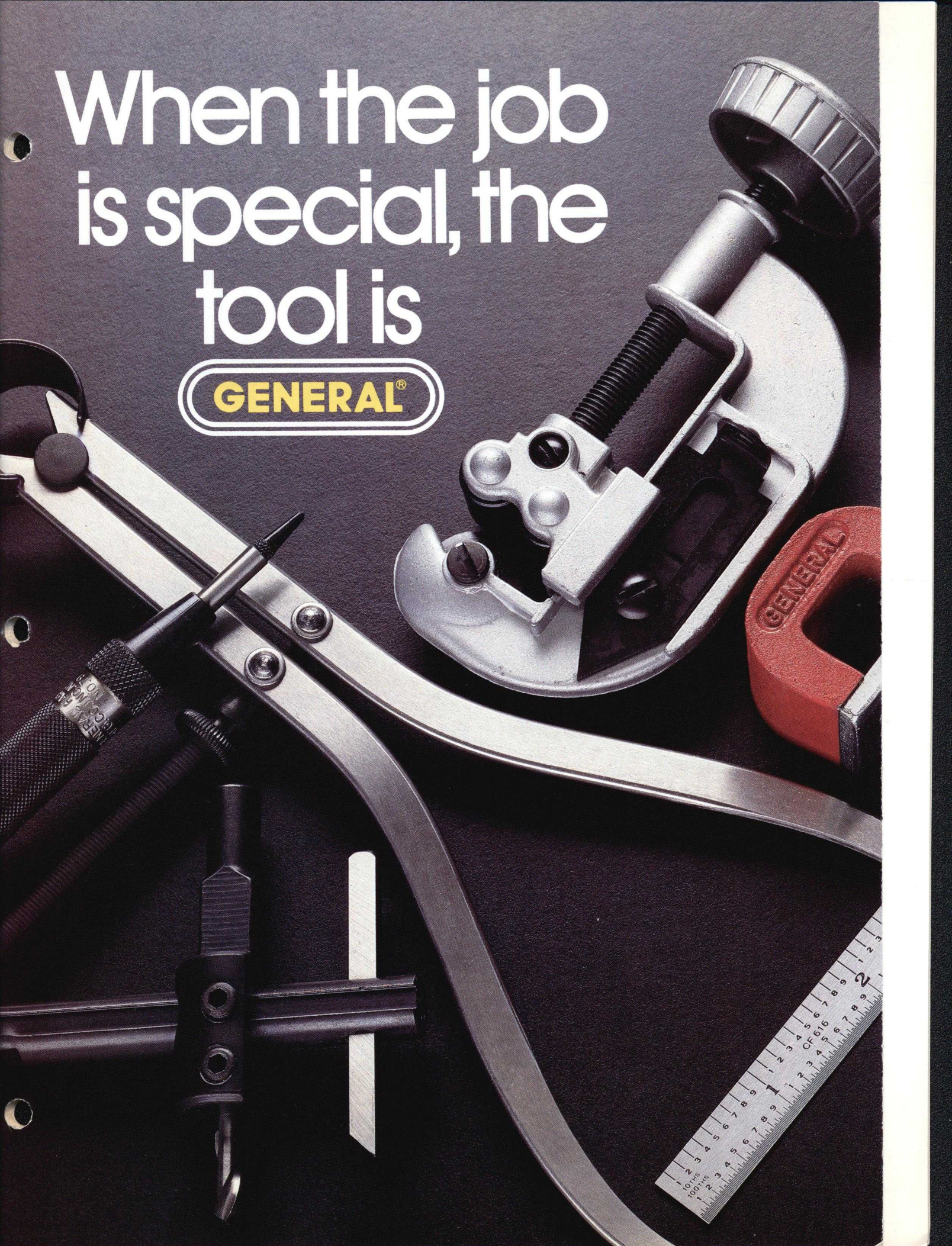
DEPTH/ANGLE GAGE

- Our easy to read gage makes precise depth measurements in small holes and slots; also doubles as a protractor.
- Spring tension nut eases depth and angle measuring by securing rule in milled slot at 90° angle to base.
- Permits easy setting of protractor angle to 30°, 45°, and 60° settings on both sides.
- 6" x 1/4" etched stainless steel rule graduated in 32nds and 64ths.
- 2-1/2" wide hardened steel base.
- Also available graduated in millimeters No. 444mm.
- Conforms to government specifications GGG-G-17b.

UPC CODE	NO.
31586	444
31589	444mm

When the job
is special, the
tool is

GENERAL®



89 best sellers in just 48 inches.

For maximum profit in minimum space, it's hard to beat General's Specialty Tool Profit Center.

89 of the best selling, fastest moving tools you can sell. Each a proven winner; preselected by actual sales records from the hundreds we offer.

All in highly-visible, self-selling packaging designed to boost impulse sales. Prearranged in just 48" x 66", complete with pegboard hooks, header and mounting plugs.

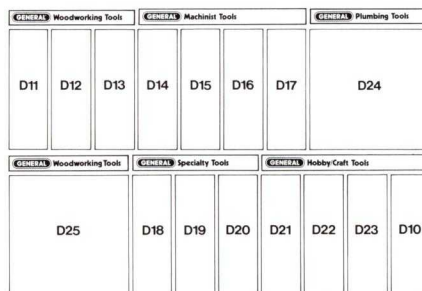
What better way to pack in the profits?





Best Selling Plan-O-Grams and Tool Assortments

These assortments feature the top selling, fastest moving tools in each category, preselected by actual sales records. Displayed in highly visible, self-selling packaging, in minimum space, to boost your turnover and profit for every square foot.



Plan-O-Gram numbers for photograph shown at left.

D10 Tweezer Display

Product Number	Description	Pack Qty.
403	Blunt, Serrated, 6"	5
407	Blunt, Soldering, 4"	5
408	Sharp, Bent, 4"	5
410	Narrow, Sharp, 4 1/4"	5
412	Blunt, Side Lock, 6 1/2"	5
414	Blunt, Serrated, 6 1/2"	5
415	Curved, 6 1/2"	5
416	Spade, 4 1/2"	5

D11 Woodworking Measure and Marking Display

Product Number	Description	Pack Qty.
818	Scratch Awl	6
811	Combination Square	2
7204	Fiberglass Folding Rule	3
803	Stair Gage Set	6
829	Sliding T-Bevel	3
806	Centering Punch	6

D12 Woodworking Drill Bits Display

Product Number	Description	Pack Qty.
6	Wheel/Circle Cutter	1
4	Circle Cutter	6
33	Drill Saw	6
S314	Plug Cutter Set	2
S10	Countersink Screw Drills	3
S838	Drill Stop Set	5

D13 Doweling Display

Product Number	Description	Pack Qty.
840	Doweling Jig	1
841	Dial Setting Doweling Jig	1
888	Dowel Centers	10
S886	Dowel/Tenon Cutter Set	1
887	Former/Chamfering Tool	1
S838	Drill Stop Set	5

D14 Machinist Drill Bits and Accessories

Product Number	Description	Pack Qty.
195 1/2	Countersink, 1/2"	6
195 3/8	Countersink, 3/8"	3
195 3/4	Countersink, 3/4"	3
34	Sheet Metal Drill	3
55	Circle Cutter	1
14	Drill Gage, Fract.	5
15	Drill Gage, Nos. 1-60	5
444	Depth/Angle Gage	2

D15 Machinist Marking Display

Product Number	Description	Pack Qty.
77	Center Punch, Auto.	3
79	Center Punch, Auto.	3
87	Center Punch, Pocket	5
88CM	Scriber/Magnet Pickup	6
84	Needlepoint Scriber	12
88	Point Scriber	6

D16 Machinist Measuring Display

Product Number	Description	Pack Qty.
102	Utility Micrometer	3
721	Vernier Caliper, Fract.	6
142	Dial Caliper	3
16me	Multi-use Rule/Gage	5

D17 Tubing Cutter Display

Product Number	Description	Pack Qty.
125	Heavy Duty Cutter	5
120	Standard Cutter	5
123R	Compact Cutter	5
RW121/2	Replacement Wheels	10pr
150	Flaring Tool	3

D18 Screwdriver Display

Product Number	Description	Pack Qty.
S605	Screwdriver Set	5
910	Pocket Tool Set	5
807SX	Ratchet Offset	10
8071	Ratchet Offset, Set	5
8073	Super Driver Set	2

D19 Magnifying Display

Product Number	Description	Pack Qty.
553/1	Illuminated Mag., 2.4X	10
550	Magnetic Scale Mag.	6
528	Eye Loupe, 4.0X	6
531/1	Pocket Mag., 4.0X	6
527	Eye Loupe, 5.0X	6
533	Pocket Mag., 4.0X	5
537	Dbl. Pocket Mag. 6.0X	5
536	Dbl. Pocket Mag. 8.0X	5

D20 Cutting/Punching Display

Product Number	Description	Pack Qty.
866	Razor Scraper	10
1901	Hobby Knife	6
855	Utility Knife	6
72	Revolving Punch Plier	6

867-10	Razor Blades	10
852-5	Utility Knife Blades	10

D21 Rule Display

Product Number	Description	Pack Qty.
300/1	6" (32,64/Dec. Equiv.)	12
616	6" (10, 100/32, 64ths)	12
301/1	6" One-Side (32, 64ths)	12
305me	6" One-Side (mm, 16ths)	12
1216	12" (10, 100/32, 64ths)	6
1201me	12" (16, 32, 64/8, 16ths)	6
550	Scale Magnifier	6

D22 Hobby Knife Display

Product Number	Description	Pack Qty.
1920	1901 Knife Blades	10
1921	1901 Knife Blades	10
1922	1902, -03, -05 Blades	10
1924	1902, -03, -05 Blades	10
1926	1904 Knife Blades	10
1927	1904 Knife Blades	10
1901	Hobby Knife, Lt. Duty	6
1902	Hobby Knife, Med. Duty	6
1904	Hobby Knife, H. Duty	6
1905	Hobby Knife, H. Duty	6

D23 Magnet Display

Product Number	Description	Pack Qty.
376A	Ceramic, 16lb. Pull	10
376B	Ceramic, 30lb. Pull	10
376C	Ceramic, 70lb. Pull	5
352A	Alnimag®, 3/4lb. Pull	12
352B	Alnimag®, 2lb. Pull	6
352C	Alnimag®, 3 1/4lb. Pull	6
360	Magnetizer/Demagnetizer	5
350-2	Alnimag®, 4lb. Pull	6

D24 Plumbing Plan-O-Gram

Product Number	Description	Basic Min.	Pack Qty.
S106	Tubing Bender	1	2
482	Deburring Tool	3	5
120	Tubing Cutter, Standard	3	5
123R	Tubing Cutter, Compact	2	5
125	Tubing Cutter, Heavy Duty	2	5
128	Enclosed Feed Tubing Cutter	1	2
7200	Folding Rule	1	3
839	Torpedo Level, Magnetic	2	3
130	T-Handle Reamer	2	5
150	Flaring Tool	1	3
RW121/2	Tubing Cutter Wheels	5	10
135	Bit Shank Reamer	1	2
845	Protractor/Level, Magnetic	2	5
860	Utility Saw	2	5
5A	Circle Cutter	1	2
164	Tap Wrench	2	3

Continued on next page →

GENERAL®

Woodworking Tools

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Machinist



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Woodworking Tools

GENERAL®

Specialty Tools



t Tools

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Plumbing Tools



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Hobby/Craft Tools



D25 Woodworking Plan-O-Gram			
Product Number	Description	Basic Min.	Pack Qty.
30-6A	Screw Drill	2	6
30-8B	Screw Drill	2	6
30-10C	Screw Drill	2	6
30-12D	Screw Drill	2	6
S838	Drill Stop Set	2	5
803	Stair Gage Set	2	6
31B	Plug Cutter, 1/2"	2	5
S314	Plug Cutter Set	1	2
842	Pencil Compass	4	12
4	Circle Cutter	2	6
811	Combination Square	1	2
800-16	Plumb Bob, Brass	1	2
57	Drill Stand	2	6
818	Scratch Awl	3	6
825	Drill Grinding Attach.	1	2
36/37	Drill Guide Set	1	2
809	Chisel/Plane Blade Sharpening Guide	1	3
806	Centering Punch	3	6



D7 Plan-O-Gram, 24" x 24"

D89 89 Tool Profit Center

Product Number	Description	Basic Min.	Pack Qty.
Specialty Tools*			
385	Magnetic Pickup	2	6
1901	Hobby Knife	4	6
855	Utility Knife	2	6
817	Scratch Awl	2	5
93	Pin Vise, Adj.	2	5
132me	Pocket Caliper	2	5
890	Tool Handle, Adj.	2	6
87	Center Punch, Auto.	2	5
532	Magnifier, 2.5X	2	6
555	Inspection Mirror	2	5
102	Micrometer, 0"-1"	2	3
SPC606	Screwdriver Kit	2	6
300/1	Rule, 6" Flex.	5	12
381	Scraper/Scriber	2	5
403	Tweezer, 6" Blunt	2	10
401AA	Tweezer, 5" Bevel	2	10
33	Drill Saw	2	6

*The Specialty Tools Assortment, without Key Chain Screwdriver (1225/12), is available separately as Plan-O-Gram D7 pictured above.

92	Pin Vise, Swivel	2	6
910	Pocket Tool Set	2	5
360	Magnetizer/Demagnetizer	2	5
527	Eye Loupe, 5X	2	6
350-2	Magnet, 4 lb. Pull	2	6
847	Bull's Eye Level	2	10
843/1	Pencil Compass/Scriber	5	10
1225/12	Key Chain Screwdriver	1	1
Woodworking Tools			
841	Doweling Jig, Dial	1	2
840	Doweling Jig, Turret	1	2
39	Drill Guide Home Workshop	1	2
36/37	Drill Guide Set	1	2
4	Circle Cutter	3	6
5B	Circle Cutter	1	6
S-838	Drill Stop Set	5	10
811	Combination Square	2	4
888	Dowel Center Set	10	10
809	Chisel/Plane Blade Sharpening Guide	3	6
800-16	Plumb Bob, Brass	1	3
825	Drill Grinding Jig	1	3
S31	Plug Cutter Set	1	4
818	Scratch Awl	6	12
842	Pencil Compass	12	12
195 1/2	Countersink, 1/2"	6	6
195 5/8	Countersink, 5/8"	3	6
195 3/4	Countersink, 3/4"	3	6
803	Stair Gage Set	6	12
31B	Plug Cutter, 1/2"	5	10
1293	Carving Tool Set	1	1

Plumbing Tools

120	Tubing Cutter, Std.	5	10
125	Tubing Cutter, H.D.	2	5
130	T-Handle Reamer	3	5
155	Flaring Tool, Std.	3	3
123R	Tubing Cutter, Compact	5	5
128	Enclosed Feed Tubing Cutter	1	3
RW121/2	Cutter Wheels	5	10
482	Deburring Tool	2	5
S106	Tubing Bender	2	6
157	Dbl. Flaring Tool	1	2

Machinist, Measuring Tools

79	Center Punch, Auto.	1	3
77	Center Punch, Auto.	3	6
75C	Drive Pin Punch	3	10
75A	Drive Pin Punch	3	10
383X	Magnetic Pickup	3	6
81	Pocket Scriber	3	12
83	Pocket Scriber	3	12
88CM	Scriber/Mag. Pickup	6	12
8071	Ratchet Offset Screwdriver Set	2	5
807SX	Ratchet Offset Screwdriver	2	10
807	Ratchet Offset Screwdriver	2	10
S605	Screwdriver Set	5	5
16me	Multi Use Rule/Gage	2	5
142	Dial Caliper	2	3
370-2	Alnico Magnet	2	6
164	Tap Wrench	1	6
161R	Tap Wrench	1	3
454-6	Inside Caliper	1	3

450-6	Divider	1	3
452-6	Outside Caliper	2	3
616	Rule, 6" Flex.	6	12
14	Drill Gage, Fract.	2	5
72	Punch Plier	3	6
17	Protractor	2	5
444	Depth/Angle Gage	1	2
721	Vernier Caliper	3	6
69	Wire Stripper	3	6
7200	Folding Rule, 6'	2	3
894	Hex Wrench Set	3	6
895	Hex Wrench Set	3	6
S94	Pin Vise Set	1	2
230	Feeler Gage Set	3	6
1850	Vacuum Vise	1	2



Precision Tool Cabinet

No. PD2A Display Stock Only
No. SPD4A Fully Stocked Cabinet

Product Number	Description	PD2A Qty.	SPD4A Qty.
CF1216	12" Rule	1	2
CF1245	12" Rule	1	2
CF645	6" Rule	1	2
MG-1001	Micrometer, 0-1"	1	2
MG-1723	Depth Micrometer, 0-3"	1	2
MG-1780	Plunger Dial Indicator	1	2
MG-1950C	Micrometer, 0-1"	1	2
MG-2000C	Micrometer, 1-2"	1	2
MG-280-4R2	Comb. Square	1	2
MG-6001-DC	Caliper, 0-6"	1	2
MG-JDC-6	Dial Caliper, 0-6"	1	2

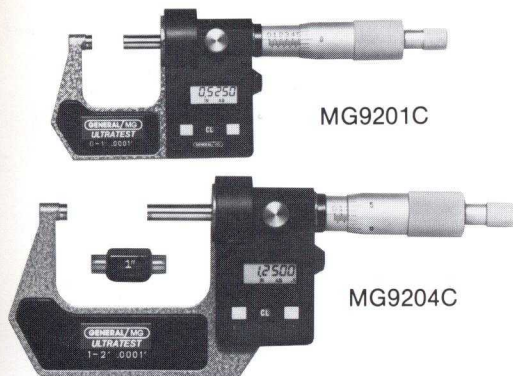


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(212) 431-6100
FAX (212) 431-6499

ULTRATEST[®] SECOND GENERATION ELECTRONIC MEASURING TOOLS

General's second generation electronic measuring tools incorporate the latest advances in microchip technology in economical form.

These tools are capable of making precision measurements and statistical analyses at the touch of a button.



MG9201C

MG9204C

ULTRATEST[®] ELECTRONIC MICROMETERS

- Large LCD is easily read to .0001"/.001mm and has a .00005" indicator.
- True inch/metric conversion without rezeroing.
- Micrometer operates as go/no-go gage with flashing LCD display.
- Makes true size or comparison measurements of part to master.
- Connects to the optional printer or interface.
- Features carbide tip anvils, satin chrome finish, ratchet thimble, and locking knob.
- Self-contained power of 3,000 to 5,000 hours. Auto-off after four minutes of nonuse.
- Standard included with micrometers of over 1" (25mm).
- Includes fitted case, two batteries (SR44G13) and instructions.

UPC CODE NO.	RANGE	STANDARD
34145	MG9201C 0 to 1" (0 to 25mm)	—
34150	MG9202C 1 to 2" (25 to 50mm)	1"
34155	MG9203C 2 to 3" (50 to 75mm)	2"
34160	MG9204C 3 to 4" (75 to 100mm)	3"

MG9201C

MG9214

MG9015

MG8206

ULTRATEST[®] PORTABLE QUALITY CONTROL CENTER

The complete system provides, in portable and economical form, the quality and accuracy of larger, more expensive quality control installations. The system enables small machine shops to economically upgrade their quality control procedures with the latest electronic measuring technology. Large machine shops will value the portability which enables more frequent checks of production to insure compliance with tighter tolerances. Manufacturing engineers will appreciate the system's ability to interface with their computer enabling them to make production decisions based on historical data.



MG8206

ULTRATEST[®] ELECTRONIC DIGITAL CALIPER

- Outside, inside, and depth measurements are quickly obtained and read out on the high contrast LCD display.
- Floating zero checks deviation from reference size, compensating for wear and eliminating recalibration.
- True inch/metric conversion without rezeroing.
- Switchable inch/metric selector with resolution to .0005" or .01mm.
- Display indicates out of tolerance parts.
- Peak mode setting to indicate largest or smallest measurements of 2.
- Fully oil, dust, and chip-proof.
- Body is hardened stainless steel, satin chromed with black scale divisions.
- Automatic shut off feature extends battery life to 12 months.
- Includes fitted case and two type SR44G13 batteries and instructions.
- Compatible with General's electronic printers or interface.

	RANGE	RESOLUTION	REPEATABILITY	ACCURACY	OUTSIDE JAWS	INSIDE JAWS
INCH	0-6"	.0005"	.0005"	.001"	1.6"	.700"
METRIC	0 to 150mm	.01mm	.01mm	.025mm	40mm	18mm

UPC CODE 34121	NO. MG8206
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MG9214

ULTRATEST[®] PRINTER/CALCULATOR

- Performs a variety of sophisticated functions for the user and provides hard-copy output of all measurements.
- Charts histograms and provides statistical data of up to 999 samples.
- Indicates if readings are above/below tolerance limits, range, standard deviation, sample standard deviation, and percent defective.
- Red and green signal lights on the printer indicate go/no-go condition of measured parts.
- Includes 20" cable, four AA batteries, thermal paper, and fitted case.

UPC CODE NO.	
34170	MG9214
34175	MG9216 Replacement paper roll



MG9201C

MG9015

STAND FOR MICROMETER

- Angled design permits easy reading.
- Heavy cast construction.
- For use with Ultratest[®] Electronic Micrometers Nos. MG9201C through MG9204C.

UPC CODE NO.	
34139	MG9015



MG9210

ULTRATEST[®] COMPUTER INTERFACE

This powerful option allows you to use your Ultratest[®] Second Generation Caliper or Micrometer as an input device to your own computer.

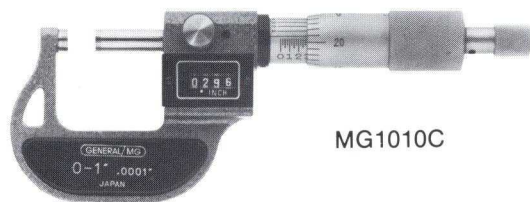
UPC CODE NO.	
34165	MG9210

ULTRATEST[®] MICROMETERS

- Meet or exceed federal specifications for accuracy.

- Microfine graduations on satin chrome finish.
- Carbide tipped .256" diameter measuring faces are microlap finished.

- Hardened, precision ground anvil and spindle.
- Spanner wrench for quick and easy zero adjustment; packaged in fitted case.



MG1010C

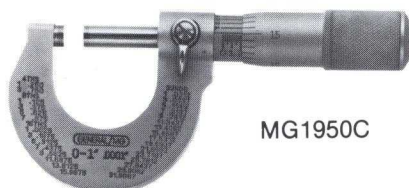


MG1050C

ULTRATEST[®] DIGITAL MICROMETERS

- Precision micrometers with direct reading counter for quick and error free readings.
- Carbide measuring faces microlapped to .0003" flatness, .0005" parallelism.
- Ratchet stop and spindle lock for repetitive, accurate measurements.
- Large, easy to read counter numerals read to .001", .0001" reading on sleeve.
- Lapped, hardened standards supplied with 2" and 3" sizes.
- Packed in fitted case with adjustment wrench and instructions.

UPC CODE	NO.	RANGE	STANDARD
33305	MG1010C	0" to 1"	—
33310	MG2010C	1" to 2"	1"
33315	MG3010C	2" to 3"	2"

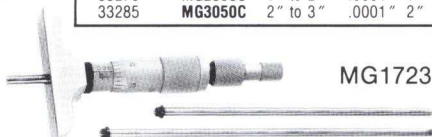


MG1950C

ULTRATEST[®] FULL FINISH MICROMETERS

- Satin chrome finish frame and spindle.
- Accuracy .0001".
- .0001" graduations, .00003" flatness, .00005" parallelism.
- Decimal equivalents.
- With friction thimble.

UPC CODE	NO.	RANGE
33265	MG1950C	0" to 1"



MG1723

ULTRATEST[®] DEPTH MICROMETERS

- Base made of tool steel, hardened, precision ground and microlapped.
- Satin chrome finish.
- Ratchet stop for accurate repetitive measurement.
- .001" graduations, accuracy to .0003".
- Spanner wrench is included.
- Fitted wooden case.

UPC CODE	NO.	RANGE	BASE	NO. OF RODS
33340	MG1723	0" to 3"	2-1/2"	3
33345	MG1726	0" to 6"	2-1/2"	6
33350	MG1743	0" to 3"	4"	3
33355	MG1746	0" to 6"	4"	6

MG1001H



INDUSTRIAL QUALITY MICROMETER HEAD

- For use with machine tools, fixtures, special gages, tooling, and other mechanical devices where precision accuracy is essential.
- Satin chrome finish; friction stop.
- Graduated .001", range 0" to 1".

UPC CODE	NO.
33335	MG1001H



MG1000mm

METRIC PRECISION MICROMETERS

- Satin chrome finish on barrel and thimble and friction stop.
- Guaranteed accuracy .012mm.
- Graduated .01mm.

UPC CODE	NO.	RANGE	STD.
33240	MG1000mm	0 to 25mm	—
33245	MG2000mm	25 to 50mm	25mm
33250	MG3000mm	50 to 75mm	50mm
33251	MG4000mm	75 to 100mm	75mm
33252	MG5000mm	100 to 125mm	100mm
33253	MG6000mm	125 to 150mm	125mm



MG-S1007

PRECISION MICROMETERS FORGED STEEL FRAME

- Four piece set with 0" to 4" range. Packed in sturdy wooden case.
- Forged steel frame eliminates flexing for greater accuracy.
- Reads to .001". Accurate to .0003".
- Hardened and precision ground measuring faces.
- Positive spindle lock holds measurement.
- Satin chrome thimble and barrel with easy to read black contrasting graduations.
- Friction stop for repetitive readings.
- Quick and easy zero adjustment with spanner wrench (included).
- All micrometers available separately.

UPC CODE	NO.	RANGE	STANDARD
34185	MG1001	0"-1"	—
34186	MG1002	1"-2"	1"
34187	MG1003	2"-3"	2"
34188	MG1004	3"-4"	3"
34189	MG1005	4"-5"	4"
34190	MG1006	5"-6"	5"
34195	MG-S1007	0"-4"	—
95045	MG1008	Fitted wooden case only	

Add mm to cat. no. when ordering metric micrometers.



MG1014

INDUSTRIAL MICROMETERS

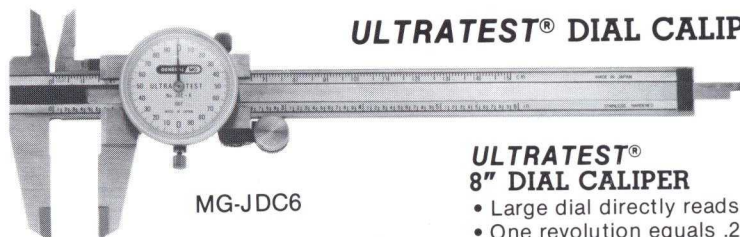
- Graduated in .001", accuracy to .0005".
- Hardened and ground measuring faces.
- Forged frames have durable baked enamel finish.
- Bronze lead nut is adjustable for wear.
- Spindle lock and friction stop for repetitive measurements.
- Easy one step zero adjustment.
- Ground, hardened standards in 2" and 3" sizes.
- Packed in fitted storage pouch with adjustment wrench and instructions.

UPC CODE	NO.	RANGE	STANDARD
33320	MG1014	0" to 1"	—
33325	MG2014	1" to 2"	1"
33330	MG3014	2" to 3"	2"

ULTRATEST[®] AND PRECISION DIAL AND VERNIER CALIPERS

- Ultratest[®] dial and vernier calipers are an economical method of accurately measuring larger work pieces.
- Made of the finest quality stainless steel.

- Beveled lower jaws for measuring in confined spaces and pointed beveled upper jaws for inside measurements.
- Depth rod for measuring holes, slots, and steps.



ULTRATEST[®] DIAL CALIPERS

ULTRATEST[®] 8" DIAL CALIPER

- Large dial directly reads to .001".
- One revolution equals .2".
- Satin chrome 8" scale with engraved tenths.
- Accuracy is .001".
- Friction roller for rapid setting; knurled lock for precise setting.
- Covered rack ensures precision accuracy by preventing dirt and chips from entering rack mechanism.
- Meets or exceeds federal specifications for accuracy.
- Deluxe fitted case with instructions.

ULTRATEST[®] 6" DIAL CALIPER

- Large clear dial accurately reads to .001".
- Satin chrome scale with clearly engraved tenths of inch/mm graduations.
- Covered rack ensures precision accuracy by preventing dirt and chips from entering rack mechanism.
- Meets or exceeds federal specifications for accuracy.
- Deluxe fitted case.

UPC CODE NO.
33475 MG-JDC6

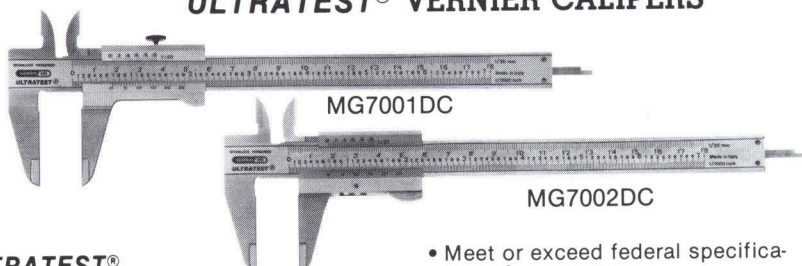
UPC CODE NO.
33477 MG-JDC8

ULTRATEST[®] SINGLE REVOLUTION DIAL CALIPER

- Large dial with wider spaced graduations for easier reading.
- One revolution for each .100".
- Adjustable dial reads directly to .001".
- Accurate to .001".
- Friction roller for rapid setting and easy adjustment; knurled lock for repetitive measurements and gaging.
- Satin chrome, non glare 6" scale has micro fine graduations in tenths of inch/mm.
- Dual pinion mechanism reduces wear and covered rack prevents accumulation of dirt in gear teeth.
- Meets or exceeds federal specifications for accuracy.
- Fitted case for storage; comes with instructions.

UPC CODE NO.
33457 MG6100

ULTRATEST[®] VERNIER CALIPERS



ULTRATEST[®] VERNIER CALIPERS

- Permanent black graduations.
- Satin chrome scale with 0-7" range.
- Ultra fine graduations, .001" bottom, 1/20mm top.

- Meet or exceed federal specifications for accuracy.
- Case included.

UPC CODE NO.
33465 MG7001DC Lock screw
33470 MG7002DC Thumb lock

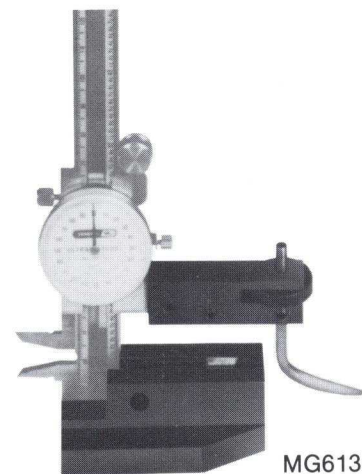
PRECISION VERNIER CALIPERS



PRECISION VERNIER CALIPERS

- General's vernier calipers are extremely accurate measuring tools guaranteed to .001" accuracy.
- Vernier scale is extra long for easier and more accurate readings.
- Permanent black graduations.
- Hardened stainless steel construction with beveled lower jaws and pointed beveled upper jaws.
- Depth gage.
- Automatic thumb lock.
- Conversion table on back.
- Plastic case with instructions.

UPC CODE	NO.	GRADS	FINISH
33435	MG6001	0-6" range, .001" bottom and 1/20mm top grads	Polished
33450	MG6001DC	0-6" range, .001" bottom and 1/20mm top grads	Satin chrome
33440	MG6128	0-6" range, .001" bottom and 1/128" top grads	Polished
33455	MG6128DC	0-6" range, .001" bottom and 1/128" top grads	Satin chrome



MG6130

CALIPER/HEIGHT GAGE CONVERSION SET

- Converts all General Ultratest[®] and precision dial and vernier calipers into an accurate height gage.
- Functions as transfer gage when used with dial indicator.
- Heavy hardened and ground base gives the same balance and accuracy as conventional height gages.
- Adjustable stylus with hardened scriber and measuring face.
- Caliper locked in at right angle to base.
- Plastic tipped locking screws will not damage caliper jaws.
- Base and stylus assembly are finished in rust resistant black oxide.
- Packed in storage box with wrench and instructions.
- Caliper not included with base.

UPC CODE NO.
MG6130


**ULTRATEST®
ELECTRONIC DIGITAL
INDICATOR**

- General's Ultratest® electronic digital indicator incorporates the latest advances in digital indicator technology for precise measurements.
- Has many features necessary for quality control functions including dimensional hold, lower and upper limit tolerances.
- Large six digit LCD display.
- Range: 0 to 1 1/2". 25.4mm. Resolution: .0001"/.002mm and accuracy of $\pm .0001"$ $\pm .002$ mm.
- True inch/metric conversion.
- 3/8" dia. stem and AGD (American Gage Design) lug back are standard.
- Switchable on/off with automatic shutoff after four minutes of nonuse.
- MG8501 charger is required for use with MG8500.

UPC CODE	NO.	
34200	MG8500	
34205	MG8501	Battery charger


**ULTRATEST® PLUNGER DIAL
INDICATOR**

- Large 2-1/2" diameter dial indicator is made to the highest standards, with extreme accuracy throughout its full range.
- Dial is both continuous and balanced and may be rotated for setting at any point.
- Full 1" travel.
- Revolution accumulator counter.
- Direct decimal two way readings left and right.
- Adjustable limit indicators.
- Lug mount standard.

UPC CODE	NO.	READINGS
33605	MG1780	0 to .100" by .001"

**LUG MOUNTING
ATTACHMENT**

- For connecting No. MG1780 Indicator to Nos. 387, MG392A, MG386 Indicator Bases.

UPC CODE	NO.
33600	MG1780MA

**PRECISION
DIAL INDICATORS**

 MG393
MG394

**PRECISION
BACK PLUNGER
UNIVERSAL DIAL TEST
INDICATORS**

- Rotating dial 1-1/2" diameter.
- With fixed body stem and hole attachment.
- Clockwise readings.
- Plunger travels 1/4"; 2.25 revolutions.

UPC CODE	NO.	READINGS
33640	MG393	0 to .100" by .001"
33695	MG394	0 to 50 to 0 by .001"



MG-S393

- Sets include:
Dial test indicator
Hole attachment
C clamp
Tool post
Universal clamp
Extension rod
Three points
Fitted case

UPC CODE	NO.	READINGS
33645	MG-S393	0 to .100" by .001"
33705	MG-S394	0 to 50 to 0 by .001"

**ACCESSORIES FOR NO. 393
AND NO. 394 INDICATORS**

UPC CODE	NO.	DESCRIPTION
	MG393HA	Hole attachment
	MG393CC	C clamp
	MG393TP	Tool post
	MG393UC	Universal clamp
	MG393ER	Extension rod
	MG393SP	Small point
	MG393FP	Flat point
	MG393LP	Long point
	MG393FC	Fitted case



MG-S395

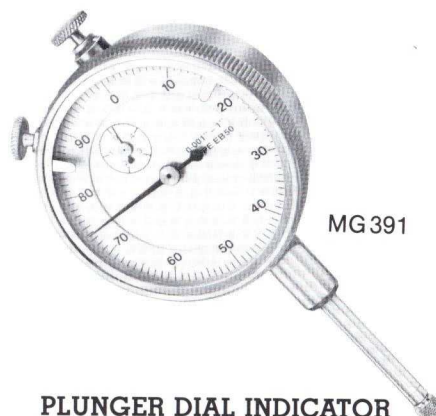
**TWO WAY DIAL TEST
INDICATORS**

- .001" graduations with range to .030".
- Left and right readings from 0 to 15 to 0.
- Rotating dial with black graduations.
- Easy fingertip reversing mechanism.
- Built in clutch for positioning stylus.
- Complete with body stem, universal clamp and shank, swivel chuck, and body clamp.
- Fitted case.

UPC CODE	NO.	DESCRIPTION
33710	MG-S395	Complete set
33700	MG395	Dial indicator only

**ACCESSORIES FOR NO. 395
INDICATOR**

UPC CODE	NO.	DESCRIPTION
	MG395BS	Body stem
	MG395BC	Body clamp
	MG395SC	Swivel chuck
	MG395UC	Universal clamp
	MG395US	Universal shank
	MG395-050	.050" contact point
	MG395-100	.100" contact point
	MG395FC	Fitted case



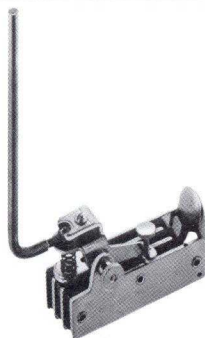
MG391

PLUNGER DIAL INDICATOR

- Large 2-1/4" diameter dial indicator is made to the highest standards, with extreme accuracy throughout its full range.
- Dial is both continuous and balanced with revolution counter and may be rotated for setting at any point.
- Full 1" travel.
- Dial readings 0 to .100" by .001".
- Revolution accumulator counter.
- Lug back 1/4" attachment hole.
- Direct decimal two way readings left and right.
- For metric version, specify MG391mm.

UPC CODE	NO.	RANGE	GRADS	READINGS
33630	MG391	1.0"	.001"	0 to .100"
33635	MG391mm	25mm	.01mm	0 to 2.5mm

387



MAGNETIC BASE

- Rare earth magnetic base for use with dial indicators, inspection mirrors, magnifiers, and spray mist oil lines.
- Fine adjustment screw and non magnetic 6" stainless steel bar.
- 50 lb. pull.
- Release lever.
- Base size 3-1/2" L x 1" W x 1" H.

UPC CODE NO.
31415 387

MG386



MICROMAGNETIC[®] INDICATOR BASE

- Permanent Alnico magnet with 18 lb. pull.
- Complete with nickel plated rod and universal clamp.
- Overall height 3-1/4".

UPC CODE NO.
33610 MG386

ULTRATEST[®] INDUSTRIAL MAGNETIC BASES



MG392A

QUICK RELEASE MAGNETIC BASE

- Features quick release lever.
- 60 lb. pull.
- Rigid 6" center post with fine adjustment.
- Cross arm has universal clamp to fit most indicators.
- Base size 3-1/2" L x 2" W x 2-3/8" H.

UPC CODE NO.
33615 MG392A


MG1760

ULTRATEST[®] HIGH POWERED MAGNETIC BASE

- Rare earth triple magnet system is five times longer lasting than conventional cobalt magnets.
- No residual magnetism when off to prevent scratching or other damage from inadvertent magnetism of chips or work pieces.
- On/Off switch energizes only when in use on work surface.
- V-groove for round surfaces.
- Works on vertical or horizontal surfaces.
- Switching adapts easily to cam action for automatic setups, using magnetic base as an on/off holding device.
- Holds most dial indicators with center lug backs, universal indicator attachments, as well as other fixtures.
- 90 lb. pull.
- Base 3-1/4" L x 2" W x 2-5/8" H; overall height 10".
- Patent pending.

UPC CODE NO.
33585 MG1760

ULTRATEST[®] OPTICAL COMPARATOR AND ACCESSORIES



MG1750-5



MG1751-5

ULTRATEST[®] OPTICAL COMPARATOR

- General's comparators are widely used by machinists, toolmakers, and inspectors.
- 7 power magnification lens.
- Set includes photo etched No. 5 reticle with universal measuring index to compare angles, radii, dimensions, and small hole sizes.

UPC CODE NO.
33360 MG1750-5

ADDITIONAL RETICLES



MG1751-1



MG1751-2



MG1751-3



MG1751-4



MG1751-6



MG1751-7



MG1751-8



MG1751-9



MG1751-10



MG1751-11



MG1751-12



MG1751-13

- 13 optional reticles for use with General's optical comparator.



MG1752

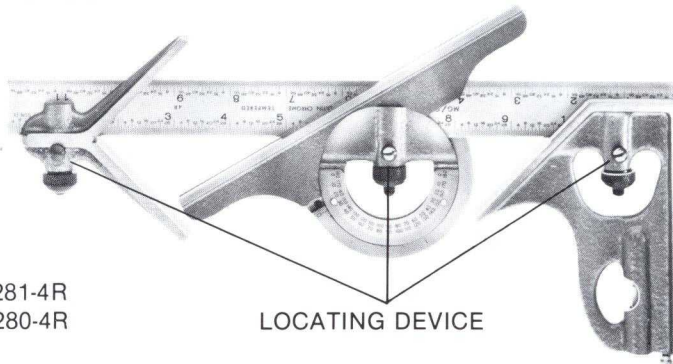
ILLUMINATOR

- Converts our optical comparator into a self illuminated measuring magnifier, permitting proper lighting for inspection of samples.
- Requires 2 "C" batteries (not included).

UPC CODE NO.
33430 MG1752

ULTRATEST[®] MACHINIST'S COMBINATION SQUARE SETS

- General's four piece set for tool-makers and machinists consists of square and miter head, center head, and bevel protractor head.
- 12" blade is fully hardened and tempered steel.
- Etched graduations and figures.
- Double indexed protractor is graduated 180° and reads in both directions.
- Meet federal specifications GGG-S-656C.



MG-S281-4R
MG-S280-4R

LOCATING DEVICE

ULTRATEST[®] COMBINATION SETS WITH HARDENED SQUARE AND CENTER HEADS, REVERSIBLE PROTRACTOR, AND PATENTED LOCATING DEVICE

- Our finest combination set is the first new advance in combination square design in years.
- With hardened square and center heads for durability.
- Double shoulder reversible protractor head.
- Heads have patented locating devices.
- Satin chrome 12" blade.

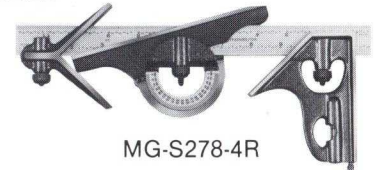
UPC CODE	NO.	GRADUATIONS
33840	MG-S281-4R	8, 16, 32, 64
33835	MG-S281-16R	32, 64, 50, 100
33850	MG-S281mm	Metric 0.5mm and mm grads
33845	MG-S281me	32, 64, 0.5mm, mm grads

ULTRATEST[®] COMBINATION SETS WITH SQUARE HEAD, CENTER HEAD, REVERSIBLE PROTRACTOR HEAD, AND PATENTED LOCATING DEVICE

- Patented locating screw automatically positions all heads for quick assembly.
- Double shoulder reversible protractor head reads 180° in both directions.
- Satin chrome 12" blade.

UPC CODE	NO.	GRADUATIONS
33820	MG-S280-4R	8, 16, 32, 64
33815	MG-S280-16R	32, 64, 50, 100
33830	MG-S280mm	Metric 0.5mm and mm grads
33825	MG-S280me	32, 64, 0.5mm, mm grads

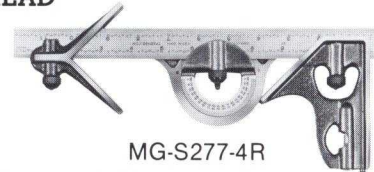
Individual component parts are available for all General Ultratest[®] Combination Machinist's Squares. To order, see General's Price List.

ULTRATEST[®] COMBINATION SETS WITH SQUARE HEAD, CENTER HEAD, AND REVERSIBLE PROTRACTOR HEAD


MG-S278-4R

- Double shoulder reversible protractor head.
- Satin chrome 12" blade.

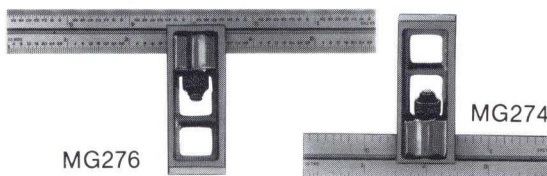
UPC CODE	NO.	GRADUATIONS
33800	MG-S278-4R	8, 16, 32, 64
33795	MG-S278-16R	32, 64, 50, 100
33810	MG-S278mm	Metric 0.5mm and mm grads
33805	MG-S278me	32, 64, 0.5mm, mm grads

ULTRATEST[®] COMBINATION SETS WITH SQUARE HEAD, CENTER HEAD, AND NON REVERSIBLE PROTRACTOR HEAD


MG-S277-4R

- Single shoulder non reversible protractor head.
- Cast iron heads.
- Polished 12" blade.

UPC CODE	NO.	GRADUATIONS
33780	MG-S277-4R	8, 16, 32, 64
33775	MG-S277-16R	32, 64, 50, 100
33790	MG-S277mm	Metric 0.5mm and mm grads
33785	MG-S277me	32, 64, 0.5mm, mm grads



MG276

MG274

MG272-4R2

ULTRATEST[®] DOUBLE SQUARES

- Satin chrome finished blades are hardened and tempered.
- Micro-fine blade graduations in 4R or 16R.
- For use as parallel or double square.
- Available with 4" or 6" replaceable and interchangeable blades. Specify graduations: 4R, 16R, mm or me.

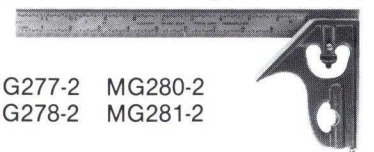
UPC CODE	NO.	BLADE LENGTH	GRADS
33760	MG274-4R	4"	8, 16, 32, 64
33755	MG274-16R	4"	32, 64, 50, 100
33770	MG276-4R	6"	8, 16, 32, 64
33765	MG276-16R	6"	32, 64, 50, 100
274		4" Replacement blade	
276		6" Replacement blade	

ULTRATEST[®] 6" COMBINATION SQUARE SET

- Use as square, height gage, depth gage, steel rule, level, and plumb.
- The enamel finished square and mitre head is ground for precise 90° and 45° angles.
- Cast iron square head has spirit level and hardened scriber.
- Easy to read 6" chrome finished, fully hardened and tempered blade has microfine etched graduations in two graduation styles, 4R and 16R.
- The enamel finished cast iron center head (available as an accessory) finds the center of round stock.

UPC CODE	NO.
33072	MG272-4R2
33073	MG272-16R2

See price list for accessory and blade information

2 AND 3 PIECE MACHINIST'S COMBINATION SQUARE SETS


MG277-2 MG280-2
MG278-2 MG281-2

Two piece set consisting of square head and blade is available in four styles: MG277, MG278, MG280, and MG281.



MG277-3 MG280-3
MG278-3 MG281-3

Three piece set consisting of square head, center head, and blade is also available in the same four styles. Please order by style number and blade graduation (listed below).

BLADE STYLE	BLADE GRADUATIONS
4R	8, 16, 32, 64
16R	32, 64, 50, 100
me	32, 64, 0.5mm, mm
mm	0.5mm, mm

Specialty Tools





BRASS PLUMB BOBS

- Machined of solid brass, fully polished and lacquered.
- Removable self-centering cord cap for easy cord replacement. Cap used with 5/64" (.078) braided cord.
- Replaceable hardened steel point.
- Available in seven sizes.
- Conforms to government specifications GGG-P-501e.

UPC CODE	NO.	WEIGHT	LENGTH	DIA.
42621	800-6	6 oz.	4-1/4"	1-1/16"
42624	800-8	8 oz.	4-1/2"	1-3/16"
42627	800-10	10 oz.	4-3/4"	1-5/16"
42630	800-12	12 oz.	5"	1-3/8"
42633	800-16	16 oz.	5-3/4"	1-1/2"
42636	800-24	24 oz.	6-1/2"	1-11/16"
42639	800-32	32 oz.	7-1/4"	1-7/8"

REPLACEMENT PARTS

UPC CODE	NO.	
42644	800P	Old style point 10-24 thread
42641	800NP	New style point 10-32 thread
42647	800CS	Cord cap for sizes 6-16
42649	800CL	Cord cap for sizes 24, 32

PLUMB BOB SHEATHS

- Made of heavy, first quality cowhide.
- Stitched and reinforced with nickel plated rivets for rugged use.
- Snap button retaining strap holds plumb bobs securely.

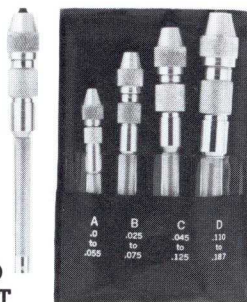
UPC CODE	NO.	SIZES
42650	801A	6-8 oz.
42653	801B	10-12 oz.
42656	801C	16-24 oz.
42659	801D	32 oz.

HEXAGON STEEL PLUMB BOBS

- Made of hexagonal cold drawn steel, nickel plated.
- Removable cord cap for 3/32" (.094) braided cord.
- Conforms to government specifications GGG-P-501e.
- Available in three sizes.

UPC CODE	NO.	WEIGHT	LENGTH	HEX. WIDTH
42612	790-5	5 oz.	3-3/8"	3/4"
42615	790-8	8 oz.	4"	7/8"
42618	790-12	12 oz.	4-1/2"	1"

S94



SINGLE END PIN VISE SET

- For holding small rods, wire, drills, taps, and other small tools.
- Tool steel collets are hardened and grip firmly when screw chuck is tightened.
- Nickel plated body is hollow to permit holding of long rods of wire.
- Available in individual sizes.
- Conforms to government specifications GGG-V-412a.

UPC CODE	NO.	RANGE
41068	S94	Set of 4 sizes, A-D, listed below, packed in a plastic case.
41074	94A	0 to .055" (0 to 1.40mm)
41077	94B	.025 to .075" (64 to 1.91mm)
41080	94C	.045 to .125" (1.14 to 3.2mm)
41083	94D	.110 to .187" (2.80 to 4.75mm)

90



DOUBLE END PIN VISE

- Each end has a double end collet which may be reversed to desired size.
- Nickel plated body is made of tubing to permit use of long wire or rods.
- 3-3/4" long with 5/16" body diameter.

UPC CODE	NO.	CAPACITY
41058	90	.0 to .125" .0 to 3.2mm

92



SWIVEL HEAD PIN VISE

- An exceptional pin vise for delicate work on models, instruments, and jewelry.
- Two double end reversible collets are made of hardened tool steel.
- Has large free wheeling swivel head.
- 4" overall and 5/16" diameter body.

UPC CODE	NO.	CAPACITY
41062	92	.0 to .125" .0 to 3.2mm

93



ADJUSTABLE PIN VISE

- Use for electronic assembling, tool-making, model making and hobbies.
- Holds small drills, burrs, wires, files, reamers and other small tools.
- 3 jaw hardened steel keyless chuck, sturdy plastic handle.

UPC CODE	NO.	CAPACITY
41065	93	.040 to .250" 1mm to 6.4mm



892

SPRING CLAMPS

- For firmly holding together parts or materials when gluing or fastening.
- Made of zinc plated steel with heavy duty tension springs.

UPC CODE	NO.	OVERALL LENGTH	SPRING CAPACITY
43670	892A	4"	1"
43673	892B	6"	2"
43676	892C	9"	3"



1850

SWIVEL VACUUM VISE

- This popular vise grips firmly to glass, metal, formica, fiberglass, or any smooth, non porous surface with quick lever action.
- Universal ball joint swivels 360° to any position and tilts 90° to any angle.
- V-grooved replaceable hardened steel jaws are 3" wide and open to 2-5/8".
- Furnished with slide on rubber jaws for fragile work.
- Folds for storage.
- Replacement parts available.

UPC CODE	NO.	BASE SIZE	OVERALL HEIGHT	WEIGHT
43960	1850	6-1/4" triangular	6-1/4"	5 lbs.

REPLACEMENTS PARTS

UPC CODE	NO.	
43964	RJ1856	Rubber jaws
43970	SJ1857	Steel jaws
43972	RP1858	Rubber pad

RATCHET OFFSET SCREWDRIVERS



807SX

RATCHET OFFSET SCREWDRIVERS

- For reaching hard to get at screws, especially where leverage is required.
- Blades are made of machined ground and hardened tool steel.
- Ratchet adjusts for forward or reverse position.
- Individually carded.

UPC CODE	NO.	INCLUDES
42664	807	1/4" and 3/8" straight blades
42670	807X	No. 1 and No. 2 cross-point blades
42667	807SX	1/4" straight and No. 2 crosspoint blades



808

FOUR WAY OFFSET SCREWDRIVER

- Handy tool for machinists, repairmen, and do-it-yourselfers.
- Has four tool steel blades mounted at four different angles.
- Permits short movements where turning space is limited.
- Made of nickel plated steel, body is 5-1/4" long with 1/4" straight blades.

UPC CODE	NO.
42688	808

JEWELER'S SCREWDRIVERS

- For jewelers, instrument makers, sub miniature parts assemblers, and model makers.



S600

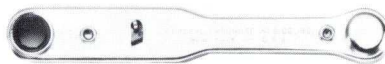
SET OF SIX JEWELER'S SCREWDRIVERS

- Nickel plated blade sizes: .100", .080", .070", .055", .040", .025".
- Screw chucks have identification rings showing blade size.
- Overall length 3-7/8".
- Conforms to government specifications GGG-S-1808.

UPC CODE	NO.	Box
42562	S600	Plastic case
42568	SPC600	

INDIVIDUAL SCREWDRIVERS

UPC CODE	NO.	BLADE WIDTH
42515	600-0	.100
42518	600-1	.080
42521	600-2	.070
42524	600-3	.055
42527	600-4	.040
42530	600-5	.025



8070



RATCHET OFFSET TORX® SCREWDRIVER SET

- For reaching inaccessible TORX® screws primarily in automotive applications.
- Reversible ratchet driver handle is plated steel and instantly adjusts for right or left hand use.
- Increases leverage for easy driving or removal of screws.
- Has hardened and tempered steel bits.
- Six piece set includes Nos. T10, T15, T20, T25 and T30 bits and ratchet handle.

UPC CODE	NO.	SCREW SIZES
42672	8070	Nos. 4, 5, 6, 8, 10, 1/4"-28

RATCHET OFFSET SCREWDRIVER SET

- For reaching inaccessible screws where leverage is desired.
- Ratchet driver is plated steel and instantly adjusts for right or left hand use.
- Has hardened tempered steel blades.
- Five piece set includes 1/4" and 3/8" straight blades, No. 1 and No. 2 crosspoint blades, and handle.

UPC CODE	NO.
42673	8071

- Nickel plated screwdriver bodies with swivel heads.

SPC606



JEWELER'S SCREWDRIVER AND HOBBY KIT

- Nickel plated body with screw chuck.
- Three tempered straight blade sizes, one crosspoint blade and one scratch awl in a fitted vinyl case.

UPC CODE	NO.	INCLUDES
42571	SPC606	Straight blade sizes .100", .070", .040" and No. 0 crosspoint
42533	B600CP	Replacement No. 0 crosspoint blade for SPC606 and S605

REPLACEMENT BLADES

UPC CODE	NO.	INCLUDES
42559	B600S	Set of six replacement blades for No. 600
42536	B600-0	.100" blade for No. 600-0
42539	B600-1	.080" blade for No. 600-1
42541	B600-2	.070" blade for No. 600-2
42550	B600-3	.055" blade for No. 600-3
42553	B600-4	.040" blade for No. 600-4
42556	B600-5	.025" blade for No. 600-5



8074

OFFSET SCREWDRIVER SUPER DRIVE SET

- Hex wrench and screwdriver functions are combined in this unique 19-piece multi-purpose set.
- Ratchet drive reverses instantly for clockwise or counterclockwise rotation for reaching inaccessible screws.
- Has hardened tempered steel blades and plated steel ratchet.
- Entire set is rust resistant.
- Both No. 8073 and No. 8074 packaged for retail.

UPC CODE	NO.	INCLUDES
42681	8074	One reversible ratchet handle, one 3-1/4" extension shaft, one spinner screwdriver handle, and one 1/4" square drive adapter, with 1 ea. No. 1, No. 2 cross point blades, 1 ea. 1/4" and 3/8" straight blades, 11 hex adapters in sizes .050", 1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", and 1/4". In hard vinyl case
42680	8073	Same components as No. 8074, packaged in a fitted clamshell blister for peg-board display.

RATCHET OFFSET TOOL SET

- 14 piece multi purpose tool packed in plastic pouch.

UPC CODE	NO.	INCLUDES
42676	8072	1/4" and 3/8" straight blades, No. 1 and No. 2 crosspoint blades, 9 hex adapters sizes: .050", 1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16"

S605



FIVE BLADE SCREWDRIVER SET

- One nickel plated body with screw chuck and five interchangeable blades.
- Four tempered steel straight blades and one No. 0 crosspoint blade.

UPC CODE	NO.	INCLUDES
42565	S605	Sizes .040", .055", .070", .100" and No. 0 crosspoint
42533	B600CP	Replacement No. 0 crosspoint blade for S605 and SPC606



910

POCKET TOOL SET

- Multi purpose tool for the mechanic and do-it-yourselfer.
- Features five hardened and tempered blades in a polished notched case for easy access.
- Set includes two straight screwdriver blades, 1/8" and 1/4"; two crosspoint blades, No. 0 and No. 1; and one scratch awl.

UPC CODE	NO.
43697	910

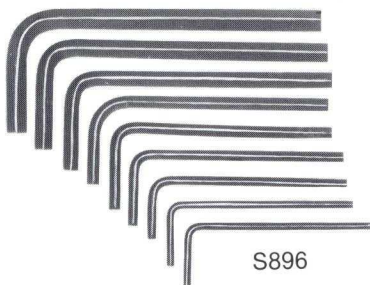


894

HEX WRENCH SETS

- No misplaced or overlapping keys.
- Tool steel keys open to any position, either straight or offset angle for extra leverage.

UPC CODE	NO.	SET
43679	894	9 keys: .050, 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, and 3/16"
43682	895	9 keys: 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, and 1/4"
43694	897mm	7 keys: 1.5, 2, 2.5, 3, 4, 5, and 6mm

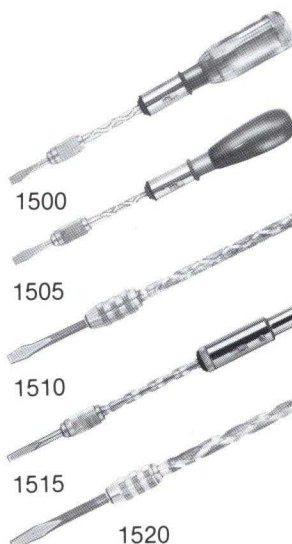


S896

HEX WRENCH SETS

- Each hex wrench is made of uniformly heat treated alloy tool steel.
- Both ends are chamfered for easy insertion.
- Packed in a snap button case.

UPC CODE	NO.	SET
43688	S896	9 sizes: 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, and 1/4"
43691	S899mm	7 sizes: 1.5, 2, 2.5, 3, 4, 5, and 6mm



REVERSIBLE SPIRAL RATCHET SCREWDRIVER AND PUSH DRILL

- Multi purpose tool designed for use as a screwdriver as well as for drilling wood, plastic, and soft metals.
- Automatic spring return.
- Ratcheting and non ratcheting functions.
- High impact plastic handle with chrome plated cap holds blades and points.
- Complete with two straight blades, 1/4" and 5/32"; and two drill points.

UPC CODE	NO.	EXTENDED LENGTH	RETRACTED LENGTH
43902	1500	10" (250mm)	7-3/4" (196.8mm)

REVERSIBLE SPIRAL RATCHET SCREWDRIVER

- This do-it-yourselfer model has the same spiral ratchet action as our heavy duty screwdrivers.
- Reversible ratchet with spring return.
- Fitted with 1/4" straight blade.

UPC CODE	NO.	LENGTH
43904	1505	10" (250mm)



1225

4 WAY KEY CHAIN SCREWDRIVER

- Nickel plated screwdriver and key holder.
- Has four different size blades for slotted and recessed type screws.
- Also for opening friction lid cans.

UPC CODE	NO.
43753	1225/12

HEAVY DUTY REVERSIBLE RATCHET SCREWDRIVERS

- A standard tool for professional carpenters.
- Right and left hand drive and non ratchet position.
- With automatic spring return and fitted with spiral lock for ratchet or non ratchet use.
- Lacquered wood handles.
- Furnished with three alloy steel blades.

UPC CODE	NO.	LENGTH EXTENDED (500mm)	LENGTH RETRACTED (375mm)	BLADE SIZES
43906	1510	20"	14-3/4"	7/32" and 9/32" straight, No. 2 cross-point
43908	1515	13-1/2"	10-1/2"	5/32" and 7/32" straight, No. 2 cross-point
43910	1520	27-1/2"	19-3/8"	1/4" and 5/16" straight, No. 2 cross-point

ACCESSORIES FOR RATCHET SCREWDRIVERS

Straight Screwdriver Blades (order by item no. and size)

For Nos. 1500 and 1505—5/32" and 1/4"
For No. 1510—7/32", 1/4", 9/32"
For No. 1515—5/32", 3/16", 7/32"
For No. 1520—1/4", 9/32", 5/16"

Crosspoint Blades (order by item no. and size)

For Nos. 1500, 1505, 1515—Nos. 1 and 2
For No. 1510—Nos. 1, 2, 3
For No. 1520—Nos. 2, 3

Drill Points (order by item no. and size)

For Nos. 1500, 1505, 1515—5/64", 7/64", 9/64"



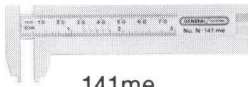
890

ADJUSTABLE FILE/TOOL HANDLE

- For holding files, reamers, hacksaw blades, and other tang handled tools.
- Exclusive steel parallel clamping jaws grip the entire length of the inserted tang to prevent slipping.
- Large, quick adjusting knurled knob ensures positive locking.
- Rustproof handle with steel parts.
- Conforms to government specifications NN-H-0085.

UPC CODE	NO.
43666	890

UTILITY SLIDE CALIPERS

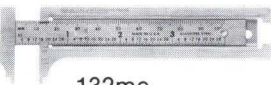


141me

POCKET CALIPER

- Precision made high strength, fiber-glass reinforced plastic caliper.
- Opens to 3" outside measurement capacity.
- 4" rule graduated in 16ths on back.
- Inside and outside readings graduated in 32nds and mm.

UPC CODE	NO.	GRADS
44139	141me	Front: 32nds and mm Back: 16ths

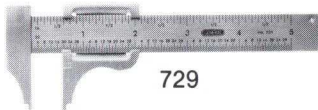


132me

POCKET CALIPER

- Stainless steel slide caliper with inside and outside readings in metric and inches.
- Decimal equivalents.
- 3" capacity.

UPC CODE	NO.	GRADS
44136	132me	32nds and mm

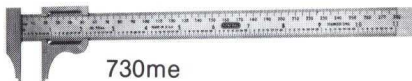


729

4 INCH SLIDE CALIPER

- Stainless steel caliper with inside and outside readings in 16ths and 32nds.
- Decimal equivalents table on back.
- 4" capacity.

UPC CODE	NO.	GRADS
42581	729	16ths and 32nds
42594	729me	mm and 16ths



730me

COMBINATION CALIPER/
HEIGHT GAGE

- Large capacity slide caliper with unique reversing slide to convert caliper to height or step gage.
- Graduated in 32nds and mm with 0 to 10" range.
- Stainless steel caliper with inside and outside readings.

UPC CODE	NO.
42597	730me

UTILITY MICROMETERS



102

UTILITY MICROMETERS

- A practical and economical measuring device for beginners and hobbyists.
- Well suited for use in training programs, general toolroom and machine shop use, and automotive work.
- Accuracy guaranteed to .001".
- Satin finish frames have friction thimble to permit consistent measurements.
- Hex wrench is included for simple zero adjustments.
- Machine cut graduations.
- Also available in metric graduations.
- Available as a three piece set.

UPC CODE	NO.	RANGE	INCLUDES
44127	S303		Consists of one each Nos. 102, 202, 302
44103	102	0" to 1"	Decimal equivalent chart
44109	202	1" to 2"	Standard
44121	302	2" to 3"	Standard
		Add mm to item for ordering metric micrometers	

104H



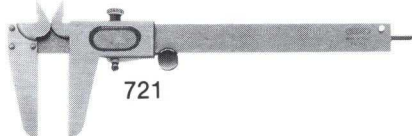
UTILITY MICROMETER HEAD

- A precision setting tool designed for use on machine tools, fixtures, special gages and tooling, and various other mechanical equipment where micrometer accuracy is required.
- Satin finish with friction thimble for consistent measurements.
- Range 0" to 1.0" graduated in .001".

UPC CODE	NO.
44100	104H

UTILITY VERNIER CALIPERS

- Economical steel vernier calipers have 5" (125mm) capacity.
- Inside and outside jaws and full length depth gage.
- Friction roller adjustment.
- Slide lock for gaging.



721

FRACTIONAL SCALE
VERNIER CALIPER

- Graduated in 16ths and 32nds of an inch with vernier reading of 1/128".

UPC CODE	NO.
42574	721

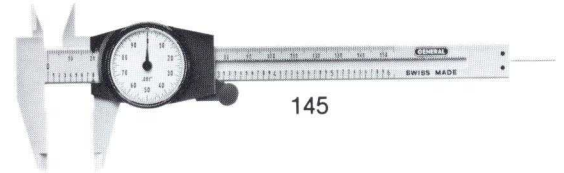
METRIC AND ENGLISH
VERNIER CALIPER

- Graduated in millimeters and 16ths of an inch with vernier reading of 1/10mm.

UPC CODE	NO.
42577	723me

UTILITY DIAL CALIPERS

- Constructed of high strength reinforced plastic.
- Caliper has inside, outside, depth, and step capabilities.
- Thumb roller for repetitive, accurate readings.
- Dial is adjustable to zero.
- Drill and Tap Chart on back.

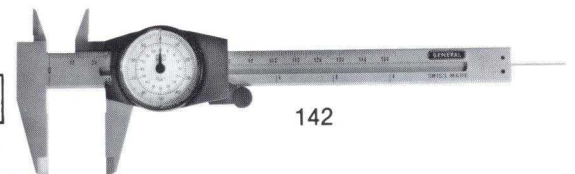


145

THOUSANDTHS READING
PLASTIC DIAL CALIPER
SINGLE REVOLUTION

- Capacity 0 to 6".
- Readings in .001".
- Single revolution of dial is .100".
- Resolution .001".
- 6" scale is graduated in tenths/mm.
- No glare dial with adjustable bezel.
- Free wheeling friction roller.
- Outside measuring jaw is 1-1/2" long; inside jaw is 5/8" long.
- Packed in reusable plastic hang-up case.

UPC CODE	NO.
44150	145



142

PLASTIC DIRECT READING
INCH DIAL CALIPER

- State of art reinforced plastic gives precision capabilities at an economical price.
- Measuring capacity 0 to 6".
- Contrasting color coded dial is graduated in .01 and 64ths with inch and mm on bar scale.
- Measures 4 ways: inside, outside, depth and step readings.
- No-glare easy to read dial with adjustable bezel.
- Free wheeling friction roller for repetitive and accurate readings.
- Fractional conversion table on back.

UPC CODE	NO.
44145	142

PLASTIC METRIC DIAL CALIPER

- Capacity 0 to 150mm by 0.1mm.
- Accurately graduated dial has direct readings in metric 0.1mm.
- Complete with plastic case and instructions.

UPC CODE	NO.
44147	144mm



UTILITY KNIFE

- A standard with industry and mechanics.
- Blades are adjustable for deeper cuts required of insulation boards, cork, and rubber.
- Handle is made of aluminum alloy die castings.
- Three standard double pointed steel blades are included in storage handle.
- General replacement blades are made in standard or heavy duty thickness.

UPC CODE	NO.
43015	850

SLIDE LOCK UTILITY KNIFE

- For cutting and scoring fiberboard, wallboard, matboard, roofing, linoleum, carpet, plasterboard, veneers, and other materials.
- Opens instantly to any one of three cutting positions.
- Blade retracts into handle for safety.
- Has five replaceable heavy duty alloy steel blades in handle.

UPC CODE	NO.
43046	855



UTILITY SAW

- For sawing sheet rock, hard and soft wood, and plywood with coarse blade.
- Use medium blade to saw paneling, sheet metal, and fiberglass.
- Has lightweight aluminum handle.
- 9-1/2" overall length with a 4-1/2" cutting edge.

UPC CODE	NO.	BLADES
43060	860	1 coarse, 1 medium
43063	861	Replacement blade set: 1 coarse, 1 medium

RAZOR SCRAPER

- For holding razor when scraping paint, trimming wallpaper, and scoring cardboard.
- Pocket size 1-1/2" x 4".
- Blade retracts into steel handle for storage.
- Uses General's Industrial Razor Blades No. 867.

UPC CODE	NO.
43069	866



INDUSTRIAL RAZOR BLADES

- For use in General's new Scraper Handle No. 866; fit most razor blade tools.
- High carbon steel blade is .009" thick.
- Individually wrapped in protective sleeve.

UPC CODE	NO.	THICKNESS	PKG. QTY.
43053	867-10	.009"	10
43055	867-100	.009"	100

UTILITY KNIFE BLADES

UPC CODE	NO.	THICKNESS	PKG. QTY.
43018	851-5	.017	5
43023	851-100	.017	100

HEAVY DUTY UTILITY KNIFE BLADES

UPC CODE	NO.	THICKNESS	PKG. QTY.
43027	852-5	.025	5
43030	852-100	.025	100

DOUBLE HOOK BLADES

- Heavy duty blades with fully sharpened cutting edges assure fast and easy cutting of vinyl, linoleum, roofing, and other similar materials.

UPC CODE	NO.	THICKNESS	PKG. QTY.
43049	857-5	.025	5
43051	857-50	.025	50



HOBBY KNIFE BLADES

UPC CODE	NO.	REPLACEMENT FOR
43988	1920	1901
43990	1921	1901
43992	1922	1902, 1903, 1905
43994	1923	1902, 1903, 1905
43996	1924	1902, 1903, 1905
43998	1925	1904
44000	1926	1904
44002	1927	1904

PLASTIC BLADE COVERS

UPC CODE	NO.	FITS
44004	1928	No. 1901 knife
44006	1929	Nos. 1902, 1903, 1905 knives

PRECISION HOBBY KNIVES

- A complete line of precision knives for industrial users, craftspeople and hobbyists.
- A broad selection of surgically sharp replacement and accessory blades is available.



PRECISION HOBBY KNIVES

UPC CODE	NO.	HANDLE CON-STRUCTION	KNIFE WEIGHT
43974	1901	Aluminum	Light duty
43976	1902	Aluminum	Medium duty
43978	1903	Aluminum	Heavy duty
43980	1904	Wooden	Heavy duty carving
43982	1905	Plastic	Heavy duty



PRECISION KNIFE CHEST

- Consists of one each of Nos. 1901, 1902, and 1903 knives and 10 assorted blades in a fitted wooden chest.

UPC CODE	NO.
43984	1915

PRECISION KNIFE SET

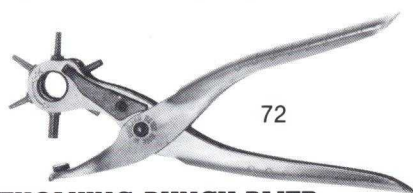
- Consists of one each of Nos. 1901, 1902, and 1905 knives and 10 assorted blades in a plastic tray.

UPC CODE	NO.
43986	1916

**CLOSE QUARTER SAW**

- Designed for the close quarter sawing of wood, paneling, pipes and tubing, wallboard, and plastic.
- Single end design is useful for cutting in tight corners.
- Removes pipe broken off at fitting.
- Firm grip plastic handle with 10" medium tooth blade.
- Uses standard hack saw blades.
- Extends the life of broken hack saw blades.

UPC CODE	NO.
43065	863

**REVOLVING PUNCH PLIER**

- A convenient spring tension, self opening tool for punching round holes in leather, plastic, rubber, canvas, cardboard, and similar materials.
- Made of plated steel with six tapered and hollow, hardened steel punches.
- Replacement punch sizes available.

UPC CODE	NO.	
41039	72	
41040	RP72	Replacement punch set, 5/64", 3/32", 7/64", 1/8", 5/32", 3/16"

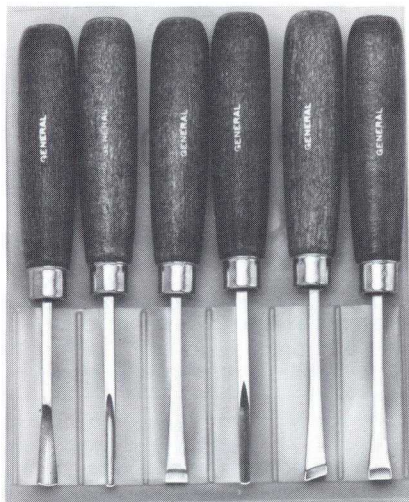


S1270

GASKET PUNCHES

- Compact and economical set for punching holes in soft materials and leather.
- Set of 10 punches, one each of 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 3/4", 7/8", and 1" with driving mandrel in a molded plastic case.
- Individual punches available.

UPC CODE	NO.	SIZE
43759	S1270	
43768	1270-1/4	1/4"
43777	1270-5/16	5/16"
43774	1270-3/8	3/8"
43784	1270-7/16	7/16"
43765	1270-1/2	1/2"
43790	1270-9/16	9/16"
43781	1270-5/8	5/8"
43771	1270-3/4	3/4"
43787	1270-7/8	7/8"
43762	1270-1	1"
43756	M1270	Driving mandrel

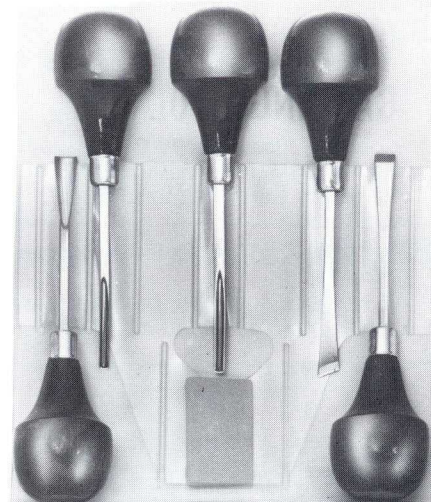


1290

SIX PIECE CARVING TOOL SET

- Blades are made of high grade tool steel hand forged for long lasting sharpness.
- Blades are hardened and ground.
- Each tool measures 6-1/4" and has a straight style hardwood handle.
- In vinyl case, with honing stone.

UPC CODE	NO.	BLADE SHAPE
43898	1290	Bent large gouge, 5/16"
		Straight small gouge, 5/32"
		Straight square chisel, 5/16"
		Bent V parting tool, 5/32"
		Straight skew chisel, 5/16"
		Bent square chisel, 5/16"



1293

FIVE PIECE CARVING TOOL SET

- Five different blade shapes.
- Blades are made of hand forged tool steel and ground and hardened for lasting sharpness.
- Half round palm style handles are made of hardwood.
- In vinyl case, with honing stone.
- Overall length 5".

UPC CODE	NO.	BLADE SHAPES
43900	1293	Bent large gouge, 5/16"
		Straight small gouge, 5/32"
		Bent V parting tool, 5/32"
		Straight skew chisel, 5/16"
		Bent square chisel, 5/16"



1280

HOLLOW STEEL PUNCHES

- For punching holes in leather, rubber, canvas, cardboard, plastic, and other materials.
- Made of forged steel with side clearance hole for easy removal of punched material.
- Set of six punches, 3/16", 1/4", 5/16", 3/8", 7/16", and 1/2", in plastic roll.
- Available in open stock sizes listed below.

UPC CODE	NO.	SIZE
43896	1280ST	
43856	1280A	3/32"
43859	1280B	1/8"
43862	1280C	5/32"
43865	1280D	3/16"
43868	1280E	7/32"
43870	1280F	1/4"
43872	1280G	9/32"
43874	1280H	5/16"
43876	1280-I	11/32"
43878	1280J	3/8"
43880	1280K	13/32"
43882	1280L	7/16"
43884	1280M	1/2"
43886	1280N	9/16"
43888	1280-O	5/8"
43890	1280P	3/4"



1271

ARCH PUNCHES

- For punching holes in leather, rubber, gasket material and soft metals.
- Inside taper for clearance.
- Heat treated Sheffield forged steel.
- Set of seven punches, one each of 1/4", 3/8", 1/2", 5/8", 3/4", 7/8", and 1", comes in plastic roll.
- Also available in individual sizes listed below.

UPC CODE	NO.	SIZE
43849	1271ST	
43793	1271A	1/4"
43796	1271B	5/16"
43799	1271C	3/8"
43801	1271D	7/16"
43804	1271E	1/2"
43807	1271F	9/16"
43810	1271G	5/8"
43813	1271H	11/16"
43816	1271-I	3/4"
43819	1271J	13/16"
43821	1271K	7/8"
43825	1271M	1"
43827	1271N	1-1/8"
43829	1271-O	1-1/4"
43831	1271P	1-3/8"
43833	1271Q	1-1/2"

PERMANENT ALNICO MAGNETS

- Aluminum, nickel, and cobalt alloy makes General's Alnico line of magnets strong and permanent.
- Under normal working conditions and temperatures, Alnico magnets will retain their magnetic force indefinitely.
- Removable keepers insure permanence.
- All weights and measurements are approximate.



372

BUTTON TYPE ALNICO MAGNETS

- Button shaped magnet has almost unlimited applications.
- Retrieves screws and steel parts.
- Center hole in top of magnet for easy fastening.

UPC CODE	NO.	DIA.	HT.	PULL	CORED HOLE
42073	372A	1/2"	3/8"	1-1/2 lbs.	1/8"
42076	372B	3/4"	1/2"	4 lbs.	3/16"
42079	372C	1"	5/8"	6-1/2 lbs.	3/16"
42082	372D	1-1/4"	3/4"	14 lbs.	3/16"
42085	372E	1-1/2"	7/8"	18-1/2 lbs.	1/4"



374

POT TYPE ALNICO MAGNETS

- Unique combination of strong magnet with insulating ring gives this magnet the superior holding power of larger ones.
- 1/4" x 20 threads hole for attaching to fixtures and machines.

UPC CODE	NO.	DIA.	PULL	WT.	HT.
42093	374A	11/16"	6 lbs.	6 oz.	5/8"
42096	374B	13/16"	10 lbs.	6 oz.	3/4"
42102	374C	1-1/16"	18 lbs.	12 oz.	1"
42105	374D	1-3/8"	35 lbs.	24 oz.	1-3/16"

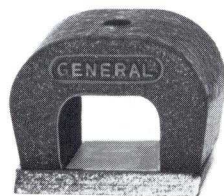


373

BAR TYPE ALNICO MAGNETS

- For laboratory and shop use.
- May be used singly, in pairs, or end to end in multiples.
- Dimensions are for single bars.
- Remove keepers for use.

UPC CODE	NO.	SIZE	WT.
42087	373-2	3/8" x 5/8" x 2"	6 oz.
42090	373-3	3/8" x 5/8" x 3"	7 oz.



370-4

POWER ALNICO MAGNETS

- Strong magnetic pull for lifting, holding, sorting, clamping, or retrieving steel or iron parts.
- Hole in top of magnet for attaching conveyors, racks, and welding jigs.

UPC CODE	NO.	SIZE	APPROX. PULL LBS.	WIDTH IN.	HT. IN.	DEPTH IN.	POLE WIDTH IN.	OPENING BETWEEN POLES, IN.	CORED HOLE	WT. EACH WITH KEEPER
42044	370-2	2	13	1-1/8	3/4	3/4	1/4	9/16	3/16	3
42047	370-3	3	17	1-5/16	1-3/8	5/8	3/8	5/16	-	4
42050	370-4	4	22	1-1/2	1	1	5/16	3/4	3/16	5
42053	370-6	6	30	1-3/4	1-1/8	1-1/8	5/16	7/8	3/16	8
42056	370-8	8	32	2-3/16	1-13/16	15/16	1/2	1-3/16	3/16	10
42059	370-10	10	37	2-7/16	2	15/16	5/8	1-3/16	1/4	13
42061	370-12	12	42	2-5/8	2-1/4	15/16	5/8	1-3/8	1/4	15
42064	370-16	16	50	3	2-1/2	15/16	3/4	1-1/2	1/4	20
42067	370-24	24	70	2-1/2	1-13/16	1-7/8	5/8	1-3/8	1/4	28



390

ALNICO MAGNET LABORATORY KIT

- An assortment of permanent Alnico magnets designed for laboratory use in schools, colleges, and other institutions.
- A valuable aid for demonstrating the principle of permanent magnets and plotting magnetic fields of various shapes.
- Kit consists of No. 370-3, No. 371, and one pair of No. 373-2.

UPC CODE	NO.	WT.
42220	390	9 oz.



393

NOTCHED ALNICO ROUND BAR MAGNETS

- Permanent Alnico round bar magnets are notched to identify north pole.
- Sold in pairs.

UPC CODE	NO.	DIA.	LENGTH	WT.
42223	393A	1/4"	13/16"	1/2 oz.
42226	393B	5/16"	1"	1 oz.



371

370-1

POCKET HORSESHOE ALNICO MAGNETS

- Small but powerful magnet.
- For retrieving small steel parts and screws from hard-to-get-at places.

UPC CODE	NO.	SIZE	PULL	OPENING BETWEEN POLES
42039	371	1/2 oz.	1 lb.	1/4"
42041	370-1	1 oz.	2-1/4 lbs.	1/4"

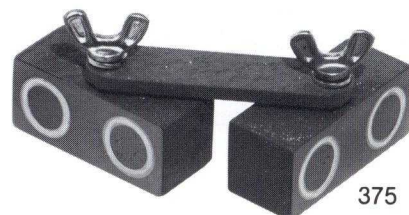


AS1370-10

ALNICO DISPLAY ASSORTMENT

- Display features 6 each No. 370-1, 2 each No. 370-2, and 1 each Nos. 370-4 and 370-6.

UPC CODE	NO.	WT.
42070	AS1370-10	2 lbs.



375

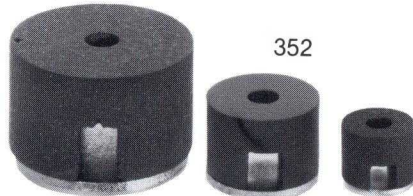
MAGNETIC ADJUSTABLE WELDING LINKS

- For holding steel plates in position for welding, brazing, and soldering.
- Eliminates need for clamps or temporary fastening.
- Constructed of two heavy duty Alnico magnetic blocks linked together with strong steel bar and wing nuts for easy angle adjustment.

UPC CODE	NO.	SIZE OF BLOCK	WT.
42108	375	2" x 1" x 1"	1-1/2 lbs.

GENERAL ALNIMAG® MAGNETS

These best selling aluminum and nickel magnets are both economical and permanent. They have scores of uses in workshop, office, and home. The removable keeper insures long life. All weights and measurements are approximate.

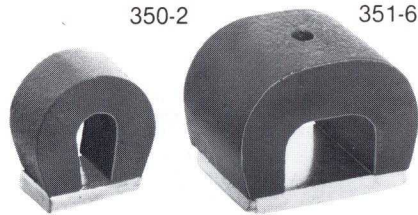


352

ALNIMAG® BUTTON MAGNETS

- Center hole for easy fastening.

UPC CODE	NO.	DIA.	HT.	PULL	CORED HOLE
42012	352A	1/2"	3/8"	3/4 lb.	1/8"
42015	352B	3/4"	1/2"	2 lbs.	3/16"
42018	352C	1"	5/8"	3-1/4 lbs.	3/16"



350-2

351-6

ALNIMAG® POCKET HORSESHOE MAGNETS

- For retrieving small steel parts and screws.
- Remove keeper for use.

UPC CODE	NO.	SIZE	PULL
42000	350-1	1 oz.	2 lbs.
42003	350-2	2 oz.	4 lbs.

ALNIMAG® POWER TYPE MAGNETS

- For retrieving steel or iron parts.
- Hole in top of magnet for fastening.

UPC CODE	NO.	SIZE	PULL	CORED HOLE
42006	351-4	4 oz.	6 lbs.	3/16"
42009	351-6	6 oz.	10 lbs.	3/16"

361

MULTI-USE MAGNET ASSORTMENT

- Set consists of 1 oz. horseshoe magnet (350-1), 4 oz. horseshoe magnet (351-4), 1" dia. button type magnet (372-C), 13/16" dia. pot magnet (374-B), pocket magnet pickup (385) and one pair of 5/16" dia. round notched bar magnets (393-B).

UPC CODE	NO.
42068	361



360

MAGNETIZER/DEMAGNETIZER

- Powerful rare earth magnet specially designed for magnetizing and demagnetizing screwdrivers, nut runners, wrenches, taps, and small tools.
- Converts any tool blade into a magnetic retriever for screws, nuts, and metallic particles.

UPC CODE	NO.	DIMENSIONS
42021	360	1" x 1" x 1"



376

SHALLOW POT CERAMIC MAGNETS

- Shallow depth permits use in confined spaces.
- 376A magnet has 10 x 32 threaded center hole for fastening with machine screw.
- Larger sizes have 3/8" diameter clearance holes for fastening with rods or bolts.

UPC CODE	NO.	DIA.	DEPTH	PULL
42111	376A	1-3/8"	3/16"	12 lbs.
42114	376B	2"	1/4"	20 lbs.
42117	376C	2-5/8"	3/8"	35 lbs.
42120	376D	3-1/4"	7/16"	50 lbs.



367

MAGNETIC STRIP

- Our flexible magnetic strip with adhesive backing adheres to most smooth surfaces.
- Holds small metal objects.
- Easily cut to desired length with scissors or knife.
- Available in four sizes; all are 1/16" thick.

UPC CODE	NO.	SIZE
42027	366	1/2 in. x 30 in.
42030	367	1/2 in. x 10 ft.
42033	368	1 in. x 30 in.
42036	369	1 in. x 10 ft.



364

FERRITE MAGNET ASSORTMENT

- General's plastic bonded ferrite 30-piece magnet assortment includes the three basic geometric shapes: 10 each 1-1/4" circles, 10 each 1-1/4" squares, and 10 each 1-1/4" triangles.
- These versatile magnets can be cut into a variety of sizes and shapes.

UPC CODE	NO.
42071	364



385

POCKET MAGNETIC PICKUP

- Powerful permanent Alnico magnet in a knurled aluminum holder with pocket clip.
- Measures 5-1/2" overall.

UPC CODE	NO.
42212	385



383X

TELESCOPING MAGNETIC PICKUP

- Strong permanent Alnico magnet in nickel plated telescoping holder with pocket clip.
- Holder extends from 6" to 24".
- For retrieving small parts and removing steel dust and chips from drilled holes.

UPC CODE	NO.
42206	383X

FLEX-O-STIFF MAGNETIC PICKUP

384

- An excellent tool for retrieving screws, nuts, tools, and other steel parts from inaccessible places.
- Has an 18" stiff pickup or an extra long 32" flexible retriever.

UPC CODE	NO.
42209	384



379

ON/OFF MAGNETIC PICKUP

- Features on/off button for one hand operation.
- Convenient ballpoint pen design with pocket clip.
- No residual magnetism; will not attract metal chips when disengaged.
- Positions, handles, and sorts small iron and steel screws, bolts, springs, parts.

UPC CODE	NO.
42123	379



250

MAGNETIC TOOL RACK

- Keeps tools and kitchen utensils handy, safe, and within easy reach.
- May be mounted in parallel for holding extra large or heavy tools.
- Finished in chrome plate.

UPC CODE	NO.	SIZE
41319	250	12" x 2"

355



HORSESHOE POCKET MAGNET

- Handy pocket magnet has 10 lb. pull.
- Lightweight high strength plastic frame.

UPC CODE	NO.
42019	355



548

OBLONG MAGNIFYING READING GLASS

- Powerful ground and polished glass lens.
- Lens is 2" x 4" with 1.25 power magnification.
- Plastic frame and ribbed handle.

UPC CODE	NO.	POWER	FOCAL LENGTH
42437	548	1.25	8"

ROUND MAGNIFYING READING GLASSES

- Magnifies or enlarges for detail work.
- Lenses are optically ground and polished glass with metal frames.
- Ribbed plastic handles.



S546-10

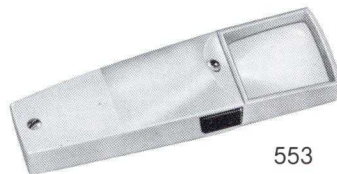
READING GLASS ASSORTMENT

- Set consists of 10 reading glasses and metal stand for storage.
- Two each of glasses Nos. 541, 542, 543, 544, and 545.
- Metal stand holds one each of above.

UPC CODE	NO.	SPECIFICATIONS
42433	S546-10	See below

INDIVIDUAL SIZES

UPC CODE	NO.	DIA.	POWER	FOCAL LENGTH
42415	540	2"	1.6	6"
42418	541	2-1/2"	1.6	6"
42421	542	3"	1.6	6"
42424	543	3-1/2"	1.25	8"
42427	544	4"	1.25	8"
42430	545	4-1/2"	1.25	8"

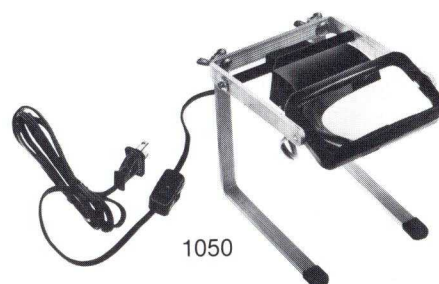
ILLUMINATED MAGNIFIERS


553

4 POWER POCKET ILLUMINATED MAGNIFIER

- Handy 4 power magnifier has plastic body and lens.
- Replaceable bulb and batteries are included.

UPC CODE	NO.	POWER
42456	553/1	Ind. carded 4
42459	553/10	10 in DB 4
42447	553BB	Replace. bulb, 2 batteries



1050

ADJUSTABLE ILLUMINATED MAGNIFIER

- Sturdy aluminum stand has 1.2 power lens for laboratory, industrial, and hobby use.
- Illuminated by 7 watt bulb.
- 6 ft. cord. Plugs into 115 volt AC. UL listed.
- Dimensions are 5" x 5" x 5".
- Folds for storage.

UPC CODE	NO.	POWER	FOCAL LENGTH
43750	1050	1.2	8-1/2"



554

4" ILLUMINATED MAGNIFIER

- 4" diameter with 3 power lens covers large areas of print.
- 5 power bifocal lens insert gives even greater magnification.
- Bulb gives wide circle of illumination.
- Plastic body and optical plastic lens.
- Replaceable bulb and batteries included.

UPC CODE	NO.	POWER	FOCAL LENGTH
42462	554	3.0	3-1/3"
	Bifocal	5.0	2"



565

OBLONG ILLUMINATED MAGNIFIER

- Lens measures 2" x 4" for distortion free magnification of large areas.
- Reversible light reflector adapts for right or left hand use.
- 2.5 power shatterproof lens, with 5 power bifocal insert.
- Replaceable bulb and batteries are included.

UPC CODE	NO.	POWER	FOCAL LENGTH
42509	565	2.5	4"
	Bifocal	5.0	2"

MAGNETIC BASE MAGNIFIERS


552

MAGNETIC BASE MAGNIFIER

- Ground and polished 1" diameter optical lens.
- 4 power lens swivels in any direction on the magnetic base.
- Magnifier can be removed from base and attached to steel rules, instruments, and machines.

UPC CODE	NO.	POWER	FOCAL LENGTH
42443	552	4.0	2-1/2"



MB567

MAGNETIC BASE INSPECTION MAGNIFIER

- Adjustable 2-1/2" diameter magnifier fastened to a permanent Alnimag® magnet can be attached to any steel machine or appliance.
- 6.50 dioptre (6" focus).
- Wing nut ball joint adjustment.

UPC CODE	NO.	POWER	FOCAL LENGTH
42512	MB567	1.6	6"

**EYE LOUPES**

- For toolmakers, jewelers, instrument assemblers, and others who need sharp, clear magnification without eye strain.
- Clear optical glass lenses are ground and polished.
- 1" diameter lens.

UPC CODE	NO.	POWER	FOCAL LENGTH
42339	527	5.0	2"
42341	528	4.0	2-1/2"

EYE LOUPE WITH HEADBAND

- Spring steel headband eliminates strain of using loupe for extended period.

UPC CODE	NO.	POWER	FOCAL LENGTH
42336	HB527	5.0	2"

**2.5 POWER POCKET MAGNIFIER**

- Has 2.5 power ground and polished optical glass.
- Folds into case for storage.

UPC CODE	NO.	POWER	FOCAL LENGTH
42344	531	2.5	Leather case 4"
42400	532	2.5	Simulated leather 4"

**MAGNETIC SCALE MAGNIFIER**

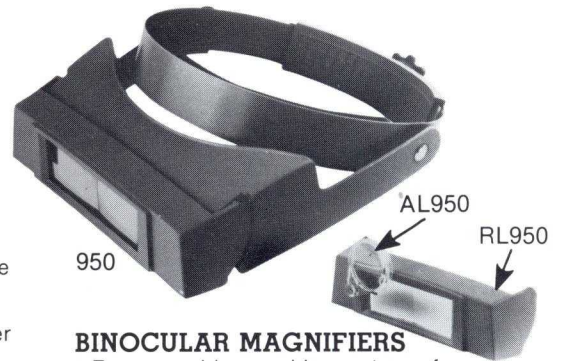
- For magnifying graduation lines on steel rules, height gages, vernier calipers, and other instruments where accurate and precise readings are essential.
- Has a 1" diameter lens with 4.0 power magnification.
- Clear plastic body with powerful, permanent magnet in base.

UPC CODE	NO.	POWER	FOCAL LENGTH
42440	550	4.0	2-1/2"

**FOLDING POCKET MAGNIFIER**

- Fine quality magnifiers for laboratory technicians, engineers, mechanics, and inspectors.
- Case and lens rims are made of black molded plastic.
- Available in single lens and double lens models.

UPC CODE	NO.	MOD.	IND. POW.	TOT. POW.	LENS DIA.	FOCAL LENGTH
42403	533	Sing.	4.0	4.0	1"	2.5"
42406	534	Sing.	3.0	3.0	1-1/4"	3.3"
42409	536	Dble.	4.0 & 4.0	8.0	1"	1.25"
42412	537	Dble.	3.0 & 3.0	6.0	1-1/4"	1.6"

**BINOCULAR MAGNIFIERS**

- For assemblers and inspectors of electronic and other small or sub-miniature parts, toolmakers, jewelers, and engravers.
- Leave hands free to work.
- Ground and polished optical lenses eliminate eye strain.
- Tilt up lens frame.
- Fit over prescription glasses.
- All lenses interchangeable and replaceable.
- AL950 auxiliary lens not included; sold separately.

UPC CODE	NO.	POWER	FOCAL LENGTH
43731	950-3	1.75	14"
43734	950-5	2.25	10"
43735	950-7	2.75	7"
43742	RL950-3	1.75	Replacement lens
43745	RL950-5	2.25	Replacement lens
43748	RL950-7	2.75	Replacement lens

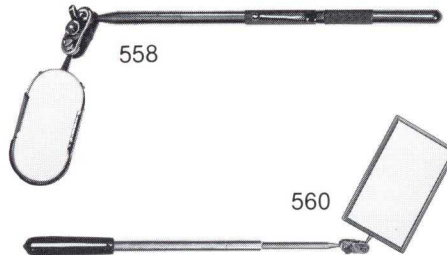
- Extra auxiliary lens may be attached to either side of lens plate for added power of existing lens.

UPC CODE	NO.	POWER	FOCAL LENGTH
43740	AL950	3.5	4"

**INSPECTION MIRRORS**

- These mirrors facilitate inspection of inaccessible workpieces and machines by toolmakers, assemblers, inspectors, and mechanics.
- Fully polished mirrors are enclosed in plated holders which are attached to knurled handles with ball and socket joints.
- Nos. 557 and 560 have telescoping arms and vinyl cushion grip handles.

UPC CODE	NO.	SIZE	OVERALL LENGTH
42465	555	1-1/4" dia.	8"
42468	557	2-1/4" dia.	10-1/2", extends to 15"
42471	558	1" x 2" oval	9"
42473	560	3-1/2" x 2" oblong	11-1/2", extends to 16"

**REPLACEMENT MIRRORS WITH FRAMES**

UPC CODE	NO.
42478	555RMF for No. 555
42481	557RMF for No. 557
42487	558RMF for No. 558
42484	560RMF for No. 560 and No. MB560

REPLACEMENT MIRRORS

UPC CODE	NO.
42500	558RM for No. 558
42503	560RM for No. 560 and No. MB560

**MAGNETIC BASE INSPECTION MIRROR**

- Adjustable 3-1/2" x 2" oblong inspection mirror mounted to a permanent magnet.
- Attaches to any steel or iron machine, tool, appliance, or other equipment.
- Has wing nut ball joint adjustment.

UPC CODE	NO.
42475	MB560

LEVELS



839

MAGNETIC TORPEDO LEVEL

- Quality crafted torpedo level with large reversible reading vials meets the accuracy requirements of professionals.
- Heat resistant, unbreakable endplates and internal aluminum frame.
- Readings possible from top, bottom, or side positions.
- Magnetic working edge for use with metal surfaces.
- V-grooved working edge for use on pipes.

UPC CODE	NO.	LENGTH
42698	839	9"

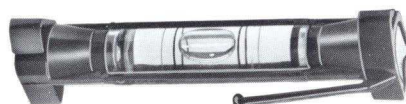


847

BULL'S EYE LEVEL

- A circular, all directional level made of unbreakable acrylic plastic.
- For leveling machines, hi-fi equipment, pool and game tables, electric appliances, and many other items which must be level to give their best performance.
- Individually carded.

UPC CODE	NO.	DIAMETER
43009	847	1-3/8"



848

LINE AND SURFACE LEVEL

- Lightweight to prevent line from sagging.
- Grooved bottom for use on round surfaces.
- Made of high impact Cyclocac® plastic with pocket clip.
- Individually carded.

UPC CODE	NO.	LENGTH
43012	848	3"



827

POCKET LEVEL

- Multi view vial for reading in top, bottom, or side positions.
- Made of high impact Cyclocac® plastic with convenient pocket clip.
- V-grooved for use on round surfaces.

UPC CODE	NO.	LENGTH
42695	827	5"



846

LINE LEVEL

- Aluminum body with Cyclocac® ends for added strength.
- For line or surface use.
- Rust proof.

UPC CODE	NO.	LENGTH
43006	846	3"



845

PROTRACTOR, MAGNETIC LEVEL

- New, multi purpose tool functions as level, protractor, square, and pitch gage.
- Measures angles in full 360° range.
- Accurately transfers angles and measures pitch angles.
- Instantly adjustable.
- Individually carded.

UPC CODE	NO.
43003	845



68

SLIDE LOCK STRIPPER

- Handy slide lock wire stripper and cutter.
- Slide lock can be set to desired size for repetitive stripping.

UPC CODE	NO.	WIRE GAGE CAPACITY
41027	68	12 thru 26

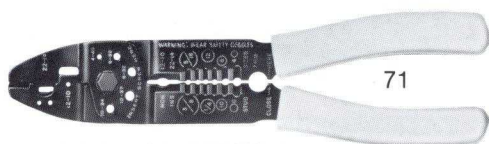


69

DIAL WIRE STRIPPER

- Dial the wire size desired for individual or repetitive stripping without damaging wire.
- Spring opening for fast and easy cutting or stripping.
- Dial lock closes stripper to protect hardened cutting edges.
- Vinyl cushion handles.

UPC CODE	NO.	WIRE GAGE CAPACITY
41036	69	12, 14, 16, 18, 20, 22, 24, 26



71

WIRE STRIPPER & CRIMPING TOOL

- Combines the functions of four tools: terminal crimper, wire cutter, wire stripper and bolt cutter.
- Attaches insulated terminals, bare terminals, lugs, and closed end insulated splice caps.
- Cuts and rethreads screws and bolts, sizes 10-24, 10-32, 8-32, 6-32, and 4-40.
- U.S. and metric use.

UPC CODE	NO.	WIRE GAGE CAPACITY
41038	71	10 (5.5mm), 12 (3.5mm), 14 (2.0mm), 16 (1.25mm), 18 (0.9mm), 20 thru 22 (.75mm)

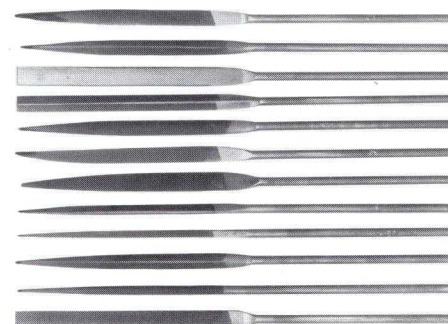


478

TRIANGULAR SCRAPER

- Useful tool for scraping, trimming, and deburring metals, tubing, and other materials.
- Hardened and tempered triple edge blade is secured in wood handle with steel ferrule.
- Hollow ground cutting edges stay sharp longer and resharpen easily.

UPC CODE	NO.
42321	478



S475

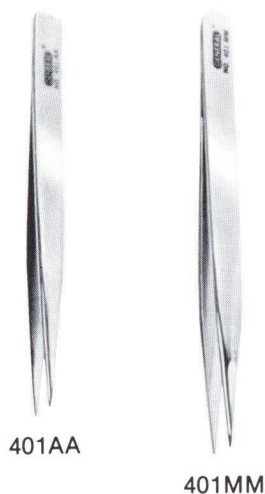
SWISS PATTERN NEEDLE FILE SETS

- Designed to meet the exacting requirements of tool and die makers, instrument makers, jewelers, watch-makers, and other craftspeople.
- Precision made of the finest tool steel.
- Packed in snap button plastic case.

UPC CODE	NO.	LENGTH	FILES IN SET
42315	S475	5-1/2"	12
42318	S476	5-1/2"	6

PRECISION TWEEZERS

For electronic, computer, instrument, radio, and other small or sub miniature assembly, servicing, and repairs.



401AA

401MM



423-3

423-3C

423-4

423-7

BOLEY PATTERN TWEEZER

- A fine quality tweezer for jewelers, watchmakers, instrument assemblers, and craftspeople.
- For radio, television, and other repairs.
- Nickel plated points.

UPC CODE	NO.	POINT STYLE	LENGTH
42240	401AA	Strong bevel	5"
42243	401MM	Very fine	5-1/8"

SWISS OR DUMONT PATTERN TWEEZER

- Light tension and hardened points for sub miniature assemblies.
- Stainless steel construction.

UPC CODE	NO.	POINT STYLE	LENGTH
42249	423-3	Very fine	4-5/8"
42251	423-3C	Very fine	4-1/8"
42254	423-4	Extra fine	4-1/4"
42257	423-7	Curved fine	4-1/2"

The final number or letter at the end of each style number denotes the international designation by which these styles have become known through years of use.

INDUSTRIAL TWEEZERS

Nickel plated tweezers for tool-makers, repairmen, electronic assemblers, and other professionals.



401XX

403

407

408

408E 410

411

413

412

INDIVIDUAL STYLES OF INDUSTRIAL TWEEZERS

UPC CODE	NO.	POINT STYLE	LENGTH
42263	401XX	Strong sharp	4-1/2"
42266	403	Blunt serrated	6"
42269	407	Blunt (soldering)	4"
42271	408	Sharp bent	4-1/4"
42274	408E	Sharp bent	4-1/4"
42280	410	Narrow sharp	4-1/4"
42283	411	Sharp (self closing)	4-3/4"
42286	412	Blunt (slide lock)	6-1/2"
42289	413	Sharp	4-1/2"

UTILITY TWEEZERS

Utility nickel plated steel tweezers for mechanics, craftspeople, and hobbyists.



414

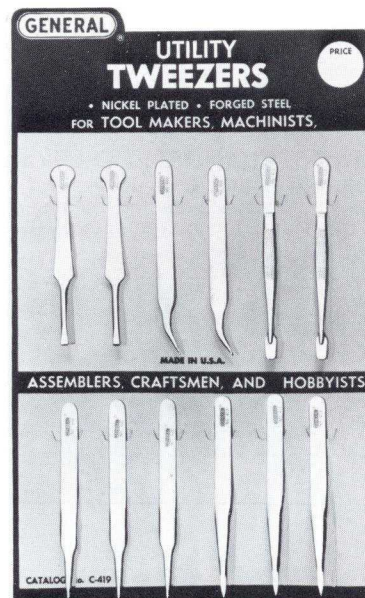
415

416

417

INDIVIDUAL STYLES OF UTILITY TWEEZERS

UPC CODE	NO.	POINT STYLE	LENGTH
42291	414	Blunt serrated (self closing)	6-1/2"
42294	415	Curved	6-1/2"
42297	416	Spade	4-1/2"
42300	417	Long straight	6-1/2"

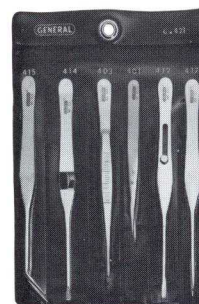


C419

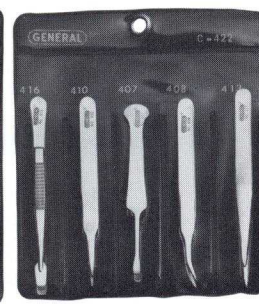
UTILITY TWEezer DISPLAY CARD

- Utility tweezer display consists of 12 assorted tweezers.
- Two each of Nos. 407, 408, 416.
- Three each of Nos. 410, 413.

UPC CODE	NO.
42303	C419



C421



C422

TWEezer SETS SIX PIECE TWEezer SET

- Consists of six nickel plated steel tweezers for home and industrial use.
- One each of Nos. 401XX, 403, 412, 414, 415, 417.
- In clear vinyl pouch.

UPC CODE	NO.
42309	C421

FIVE PIECE TWEezer SET

- Consists of five nickel plated steel tweezers in a clear vinyl pouch.
- One each of Nos. 407, 408, 410, 413, 416.

UPC CODE	NO.
42312	C422



747

CLOTHES LINE PULLEY

- High strength ABS plastic 4-3/4" diameter wheel with aluminum fittings.
- Eliminates friction.
- Rust proof construction.

UPC CODE	NO.
44153	747



783

GENUINE LEATHER POUCH

- Pouch for pliers, wrenches, and other tools.
- Tool clip for knife or small tool.
- Friction tape "T" chain.
- Strong, plated hardware for long wear.

UPC CODE	NO.
42609	783



932

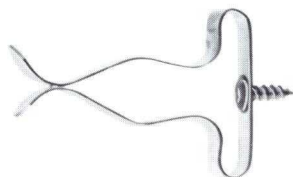
SOFT-FLEX GOGGLES

- Mold to contour of face for eye protection.
- Large replaceable lenses may be worn over prescription glasses.
- Soft flexible vinyl plastic frame and adjustable elastic headband.
- Conform to OSHA and ANSI requirements.

UPC CODE	NO.	
43706	932	Individually boxed
43709	932PB	Polybag
43712	RL932	Replacement lens



R3-in-1


M3in1
L3in1

TOOL HOLDERS

- Spring tension positive holder for tools, brooms, mops, brushes, garden tools, and other workshop and household items.
- Loops can hold up to three tools.
- Use as temporary fastenings for cables, hose, and other connections.
- Ideal for toolroom, factory, laboratory, garage, workshop, and home.

UPC CODE	NO.	DESCRIPTION
44165	M3in1	Medium holder
44159	L3in1	Large holder
44171	R3in1	5 medium holders on rack

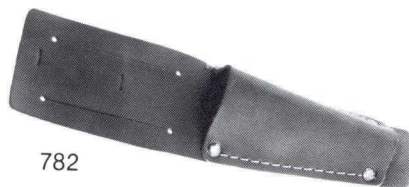


780

PROFESSIONAL WEB BELT

- Adjustable up to 44" waist.
- 2" wide washable polypropylene.
- Heavy duty hardware.

UPC CODE	NO.
42600	780



782

KNIFE HOLDER POUCH

- Designed to protect and hold a utility knife.
- Made of Similia man made leather.
- 3" belt slots.

UPC CODE	NO.
42606	782



935

FILTER MASK

- Flexible lightweight filter mask.
- Protects against nontoxic mist, dust, and sprays.
- Two piece plastic frame with non collapsing washable fiber filter and facecloth.
- Adjustable elastic headband for wearing with glasses or goggles.

UPC CODE	NO.	
43721	935PB	
43727	RF935	Replacement filter
43724	FC935	Replacement facecloth

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11B	12	SPC74	18	100-7/16	6	250	41	372D	40	423-4	45
D11	Supp	74AA	18	100-1/2	6	251	25	372E	40	423-7	45
12	26	74A	18	100-5/8	6	252	25	373-2	40	430A	25
D12	Supp	74B	18	102	37	255mm	25	373-3	40	432A	25
13	26	74C	18	102mm	37	260	24	374A	40	435	25
D13	Supp	74D	18	104H	37	262	24	374B	40	S435B	25
14	26	S75	18	S106	6	263	24	374C	40	S435BH	25
D14	Supp	SPC75	18	S112-4	24	264	24	374D	40	436	25
15	26	75A	18	S112-6	24	270-2	24	375	40	444	26
D15	Supp	75B	18	112A	24	270-3	24	376A	41	444mm	26
16me	26	75C	18	112B	24	270-4	24	376B	41	450-4	20
D16	Supp	75D	18	112C	24	270-6	24	376C	41	450-6	20
17	26	75E	18	112D	24	274	32	376D	41	450-8	20
CF17	26	75F	18	112E	24	276	32	379	41	450-10	20
D17	Supp	75G	18	112F	24	MG272-4R2	32	380A	19	450-12	20
18	26	75H	18	116	21	MG272-16R2	32	380B	19	452-4	20
D18	Supp	SPC76	19	116C	21	MG274-4R	32	381	19	452-6	20
19	26	76A	19	117	21	MG274-16R	32	382	19	452-8	20
19mm	26	76B	19	117C	21	MG276-4R	32	383X	41	452-10	20
CF19	26	76C	19	118A	21	MG276-16R	32	384	41	452-12	20
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20	26	76E	19	118C	21	MG278 Series	32	MG386	31	454-4	20
D20	Supp	77	18	118D	21	MG280 Series	32	387	31	454-6	20
21	26	77P	18	120	4	MG281 Series	32	S389-4	24	454-8	20
D21	Supp	78	18	RW121	5	CF300	23	389BC	24	454-10	20
D22	Supp	78P	18	RW121/2	5	300/1	23	389DC	24	454-12	20
D23	Supp	78SH	18	123R	4	300/12	23	389-IH	24	456-6	20
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25	26	79CT	18	125	5	300mm	23	390	40	S476	44
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HEAVY DUTY STARTER PUNCHES

Uniquely designed punches with shallow tapered shafts will not fatigue under the added stress of loosening frozen, rusted, or tight fitted dowel pins, shafts, and rivets.

- Available in 3 point size diameters: 1/16" for pins 1/16" to 1/8", 1/8" for pins 1/8" to 3/16" and 3/16" for pins 3/16" to 5/16".

UPC CODE	NO.	CAPACITY (hole dia.)
30900	70-1	1/16" to 1/8"
30905	70-3	1/8" to 3/16"
30910	70-5	3/16" to 5/16"



1286

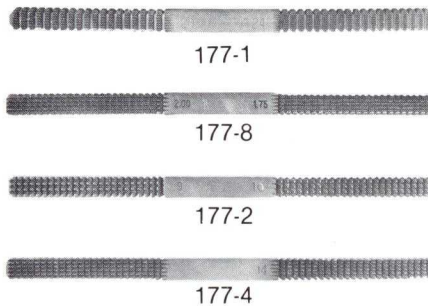
PUNCH/CHISEL HOLDER

This handy holder allows you to use hand held punches and chisels in normally inaccessible work areas.

Heavy duty 4" plastic handle with nylon tip in steel frame reduces risk of hand injury and improperly struck tools.

- Capacity 0-1" chisels and punches.
- Rust resistant finish.
- Overall length 6".

UPC CODE	NO.
30995	1286



THREAD REPAIR FILES

With General's new Thread Repair Files, mechanics and do-it-yourselfers are spared the inconvenience of replacing a damaged fastener for minor thread wear or rust.

These indispensable files restore damaged external threads on studs, bolts screws, plumbing pipe, and pipe fittings.

With a few short strokes across the damaged thread area, a fastener can be restored to useable condition.

Four different high carbon steel files are available. Each file provides 4 to 8 different thread pitches.

- Restores rusted or corroded fasteners.
- Doubles as a screw pitch gage.
- Length 8-1/2" x 7/16" x 7/16".

UPC CODE	FILE NO.	THREAD PITCHES
31236	177-1	11, 12, 13, 14, 16, 18, 20, 24, T.P.I.
31240	177-2	9, 10, 12, 16, 20, 27, 28, 32, T.P.I.
31244	177-4	8, 11-1/2", 14, 18 IRON PIPE
31242	177-8	.75, 1.0, 1.25, 1.75, 2.0, 2.5, 3.0mm



176

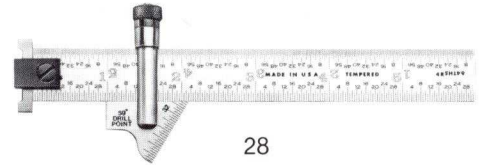
UNIVERSAL THREAD FILE

The Universal Thread File is constructed of durable high carbon tool steel with a serrated cutting edge.

This handy time saving tool with its 60° universal cutting edge makes short work of restoring damaged or corroded threads on most standard fasteners including studs, bolts, screws, and plumbing fittings.

- 60° angle allows use on all pitches and diameters of threads.
- Eliminates the inconvenience and cost of replacing damaged fasteners.
- Rust resistant black oxide finish.
- Comfort grip vinyl handle.
- Overall length 9" with 5" working blade.

UPC CODE	NO.
31234	176



28

ULTRATEST DRILL POINT GAGE

- Handy 5-in-1 tool is specially designed for 5 essential shop functions.
- Enables user to maintain accurate 59° drill point angle for general shop use.
- Measures relative height and length of cutting lip for cutting true round holes of exact size.
- Functions as outside caliper, precise from 0 to 5" with locking slide for repetitive measurements.
- Useful as height, depth, or step gage.
- Sliding hook makes accurate measurements from edge of surface or retracts for flush readings.
- Hook is removable for instant conversion to 6" stainless steel satin chrome finish rule, with 8th, 16th, 32nd, and 64th graduations.
- Inch graduations etched in both directions for easy reading in either direction.

UPC CODE	NO.
33067	28



172

SCREW AND STUD EXTRACTOR SET

General's new screw and stud extractors have unique fluted undercuts which give greater gripping action without wedging or binding sometimes experienced with spiral extractors.

- This 5 piece set services screws, studs, and pipe fittings 1/4" through 5/8" diameters.
- Removes broken screws, studs, pipe fittings, and grease (ALEMITE) fittings.
- Square shank for use with tap and adjustable wrenches or 12 pt. sockets.
- Removes fastener sizes: 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", and 5/8".
- Hardened and tempered tool steel with rust resistant black oxide finish.

UPC CODE	NO.	EXTRACTOR SIZES
31232	172	1/8", 3/16", 15/64", 5/16", and 3/8"

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